

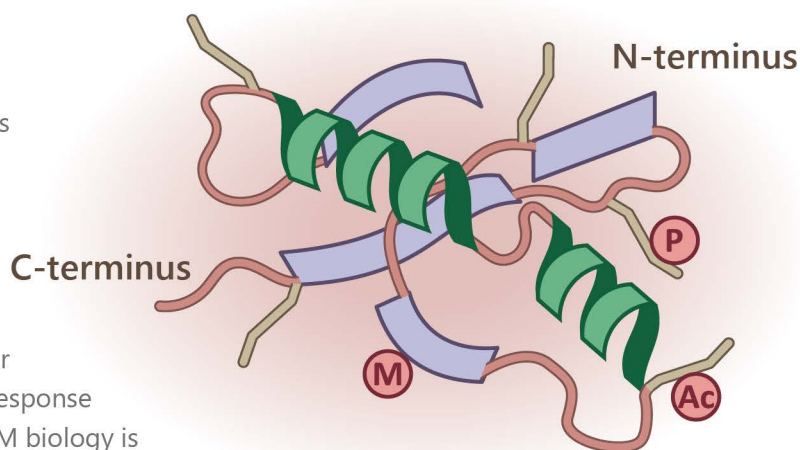
# Recombinant Monoclonal Antibodies for Protein Post-Translational Modifications (PTM)

Your Expertise

Our Antibodies

Accelerated Discovery

Post-translational modification (PTM) refers to covalent alterations of a protein's amino acid residues involving the addition or removal of particular moieties (e.g., phosphorylation, methylation, ubiquitination, etc.). With hundreds of described PTMs, the functional flexibility of the proteome can be expanded and controlled in a temporal and cell type-specific manner to precisely contour signal transduction and gene expression in response to various stimuli. Therefore, the study of PTM biology is crucial for the understanding of both normal and abnormal physiology.



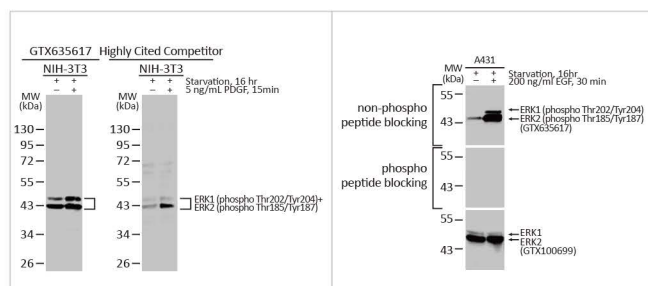
## Advantages of Using GeneTex's Recombinant Rabbit mAbs to Detect Protein PTMs

- Superior Sensitivity
- High Specificity
- Stringent Validation
- Consistent Performance

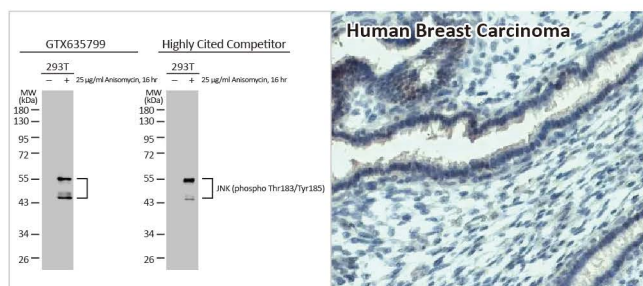
## Highlighted Products

### Cell Biology

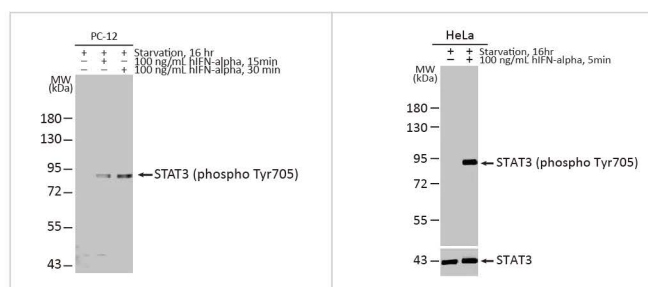
Citation Support Recombinant KO/KD Validation Comparable Abs Orthogonal Validation



ERK1 (phospho Thr202/Tyr204) + ERK2 (phospho Thr185/Tyr187) antibody [HL173] (GTX635617)



JNK (phospho Thr183/Tyr185) antibody [HL1008] (GTX635799)



STAT3 (phospho Tyr705) antibody [HL1464] (GTX636938)

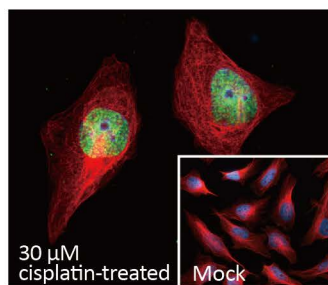


ATR (phospho Thr1989) antibody [HL132] (GTX635571)

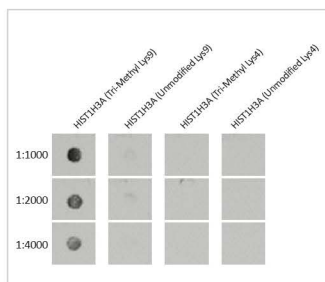
## Histone Modifications

Citation Support Recombinant KO/KD Validation

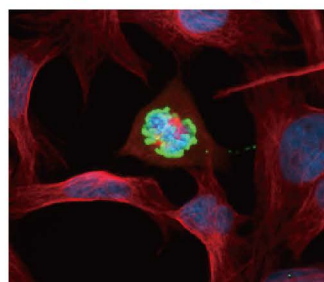
Comparable Abs Orthogonal Validation Protein Overexpression



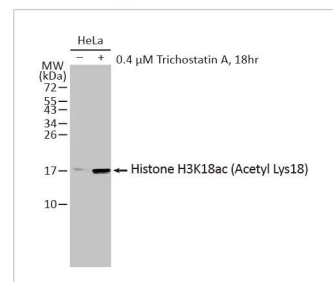
Histone H2A.XS139ph  
(phospho Ser139) antibody  
[HL1299] (GTX636713)



Histone H3K9me3  
(Tri-methyl Lys9) antibody  
[HL2149] (GTX638127)

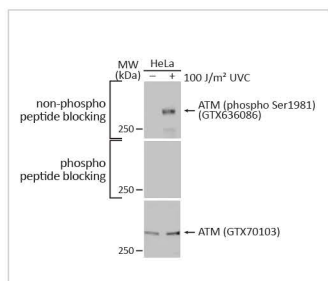


Histone H3S10ph  
(phospho Ser10) antibody  
[HL1752] (GTX637402)

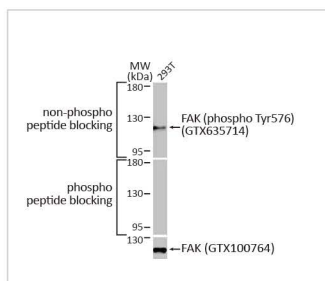


Histone H3K18ac (Acetyl Lys18)  
antibody [HL1463]  
(GTX636937)

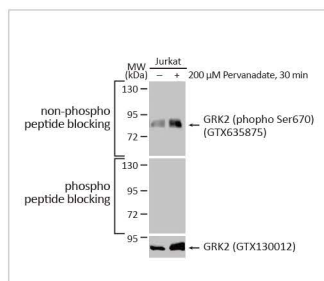
| Cat. No.  | Product Name                                                                 | Clonality  | Reactivity      | Applications                     |
|-----------|------------------------------------------------------------------------------|------------|-----------------|----------------------------------|
| GTX636086 | ATM (phospho Ser1981) antibody [HL1062]                                      | Rec Rb mAb | Hu              | WB, ICC/IF, IHC-P                |
| GTX635571 | ATR (phospho Thr1989) antibody [HL132]                                       | Rec Rb mAb | Hu, Ms, Rat     | WB, ICC/IF, IHC-P                |
| GTX637561 | ATR (phospho Thr1989) antibody [HL1836]                                      | Rec Rb mAb | Hu              | WB, ICC/IF                       |
| GTX636948 | CDK2 (phospho Tyr15) antibody [HL1474]                                       | Rec Rb mAb | Hu, Ms, Rat, Dm | WB, IHC-P                        |
| GTX635572 | Chk1 (phospho Ser345) antibody [HL122]                                       | Rec Rb mAb | Hu              | WB, ICC/IF                       |
| GTX639474 | c-Jun (phospho Ser73) antibody [HL2713]                                      | Rec Rb mAb | Hu              | WB, ICC/IF                       |
| GTX640244 | c-Met (phospho Tyr1234) antibody [HL2907]                                    | Rec Rb mAb | Hu              | WB                               |
| GTX639641 | CREB (phospho Ser133) antibody [HL2776]                                      | Rec Rb mAb | Hu, Ms          | WB, IHC-P                        |
| GTX635617 | ERK1 (phospho Thr202/Tyr204) + ERK2 (phospho Thr185/Tyr187) antibody [HL173] | Rec Rb mAb | Hu, Ms, Rat, Dm | WB, ICC/IF, IHC-P                |
| GTX635714 | FAK (phospho Tyr576) antibody [HL127]                                        | Rec Rb mAb | Hu, Ms, Rat     | WB                               |
| GTX635875 | GRK2 (phospho Ser670) antibody [HL1035]                                      | Rec Rb mAb | Hu, Ms          | WB, IHC-P                        |
| GTX639335 | GSK3 beta (phospho Ser9) antibody [HL2671]                                   | Rec Rb mAb | Hu, Ms          | WB                               |
| GTX636940 | Her2 / ErbB2 (phospho Tyr1248) antibody [HL1466]                             | Rec Rb mAb | Hu, Rat         | WB, ICC/IF, IHC-P                |
| GTX636713 | Histone H2A.XS139ph (phospho Ser139) antibody [HL1299]                       | Rec Rb mAb | Hu, Ms          | WB, ICC/IF, IHC-P                |
| GTX637288 | Histone H2A.XS139ph (phospho Ser139) antibody [HL1689]                       | Rec Rb mAb | Zfsh            | IHC-Wm                           |
| GTX636937 | Histone H3K18ac (Acetyl Lys18) antibody [HL1463]                             | Rec Rb mAb | Hu, Ms, Rat, Dm | WB, ICC/IF, IHC-P, Dot           |
| GTX638127 | Histone H3K9me3 (Tri-methyl Lys9) antibody [HL2149]                          | Rec Rb mAb | Hu              | WB, ICC/IF, Dot                  |
| GTX637402 | Histone H3S10ph (phospho Ser10) antibody [HL1752]                            | Rec Rb mAb | Hu, Ms, Zfsh    | WB, ICC/IF, IHC-P, IHC-Wm        |
| GTX637634 | IRE1 alpha (phospho Ser724) antibody [HL1885]                                | Rec Rb mAb | Hu              | WB                               |
| GTX635799 | JNK (phospho Thr183/Tyr185) antibody [HL1008]                                | Rec Rb mAb | Hu, Ms, Rat     | WB, IHC-P                        |
| GTX635694 | LYN (phospho Tyr397) antibody [HL122]                                        | Rec Rb mAb | Hu, Ms          | WB, IHC-P                        |
| GTX640170 | Myosin Light Chain 2 (MLC-2v) (phospho Ser15) antibody [HL2891]              | Rec Rb mAb | Hu, Ms          | WB                               |
| GTX639569 | p38 MAPK (phospho Tyr182) antibody [HL2740]                                  | Rec Rb mAb | Hu              | WB, IHC-P                        |
| GTX639570 | p38 MAPK (phospho Tyr182) antibody [HL2741]                                  | Rec Rb mAb | Hu, Ms, Rat     | IHC-P                            |
| GTX635621 | p70 S6K (phospho Thr421/Ser424) antibody [HL129]                             | Rec Rb mAb | Hu, Ms, Rat     | WB, IHC-P                        |
| GTX637309 | Phospholamban (phospho Ser16) antibody [HL1710]                              | Rec Rb mAb | Ms              | WB                               |
| GTX636681 | PKC (pan) (zeta phospho Thr410) antibody [HL1279]                            | Rec Rb mAb | Hu, Ms, Rat, Dm | WB, ICC/IF, IHC-P                |
| GTX636461 | PKC theta (phospho Thr219) antibody [HL1157]                                 | Rec Rb mAb | Hu              | WB, ICC/IF                       |
| GTX636912 | PKR (phospho Thr446) antibody [HL1439]                                       | Rec Rb mAb | Hu              | WB, ICC/IF                       |
| GTX636103 | ROCK2 (phospho Ser1366) antibody [HL1071]                                    | Rec Rb mAb | Hu              | WB, ICC/IF                       |
| GTX636934 | SOD2 (Acetyl Lys68) antibody [HL1460]                                        | Rec Rb mAb | Hu, Ms          | WB                               |
| GTX636938 | STAT3 (phospho Tyr705) antibody [HL1464]                                     | Rec Rb mAb | Hu, Rat         | WB                               |
| GTX638855 | Tau (phospho Thr181) antibody [HL2497]                                       | Rec Rb mAb | Hu, Ms, Rat     | WB, IHC-P, ELISA, Sandwich ELISA |
| GTX638856 | Tau (phospho Thr181) antibody [HL2498]                                       | Rec Rb mAb | Hu, Ms          | WB, IHC-P, ELISA, Sandwich ELISA |
| GTX636678 | Tau (phospho Thr217) antibody [HL1276]                                       | Rec Rb mAb | Hu, Ms, Rat     | WB, ICC/IF, IHC-P                |



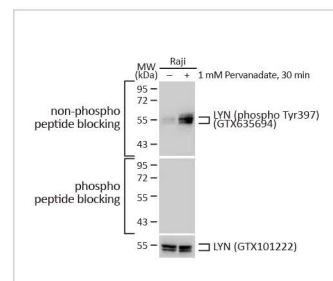
ATM (phospho Ser1981)  
antibody [HL1062] (GTX636086)



FAK (phospho Tyr576) antibody  
[HL127] (GTX635714)



GRK2 (phospho Ser670)  
antibody [HL1035] (GTX635875)



LYN (phospho Tyr397) antibody  
[HL122] (GTX635694)



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