

Hic-5 (Phospho Tyr60) Rabbit pAb

CatalogNo: YP1735 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 50kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human Hic-5 (Phospho-Tyr60)

Specificity This antibody detects endogenous levels of Hic-5 (Phospho-Tyr60) at Human, Mouse, Rat. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): HLYST

| Target Information

Gene name TGFB111 ARA55

Protein Name Hic-5 (Phospho-Tyr60)

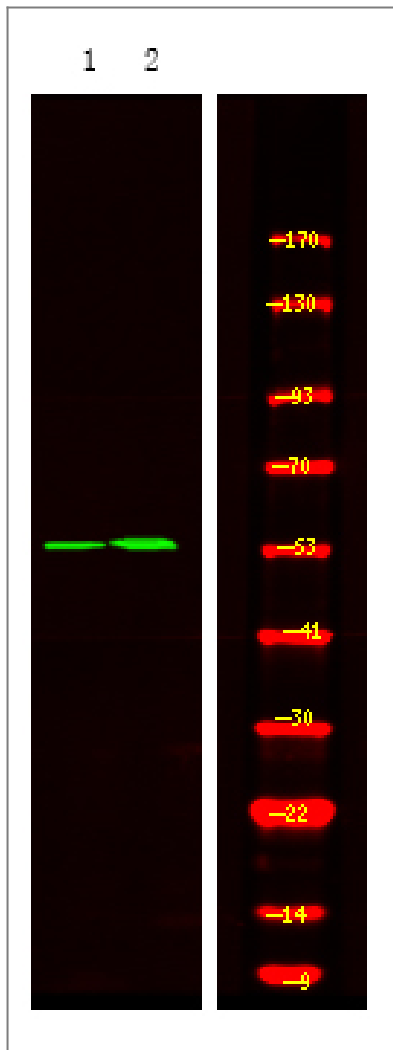
Organism	Gene ID	UniProt ID
Human	7041 ;	O43294 ;
Mouse	21804 ;	Q62219 ;
Rat	84574 ;	Q99PD6 ;

Cellular Localization Cell junction , focal adhesion. Nucleus matrix. Cytoplasm , cytoskeleton. Associated with the actin cytoskeleton; colocalizes with stress fibers.

Tissue specificity Expressed in platelets , smooth muscle and prostate stromal cells (at protein level) .

Function Domain:The LD (leucine and aspartate-rich) motif 3 mediates interaction with GIT1 and functions as a nuclear export signal. ,Domain:The LIM zinc-binding domains mediate glucocorticoid receptor coactivation and interaction with AR , CRIP2 , ILK , LIMS1 , NR3C1 , PPARG , TCF3 , TCF7L2 , SLC6A3 and SMAD3. The LIM zinc-binding 2 and LIM zinc-binding 3 domains mediate targeting to focal adhesions and actin stress fibers. The LIM zinc-binding 3 and LIM zinc-binding 4 domains mediate interaction with TRAF4 and MAPK15. The LIM zinc-binding 4 domain mediates interaction with HSPB1 , homooligomerization and targeting to the nuclear matrix. The LIM zinc-binding 3 domain mediates interaction with PTPN12. ,Function:Functions as a molecular adapter coordinating multiple protein-protein interactions at the focal adhesion complex and in the nucleus. Links various intracellular signaling modules to plasma membrane receptors and regulates the Wnt and TGFB signaling pathways. May also regulate SLC6A3 and SLC6A4 targeting to the plasma membrane hence regulating their activity. In the nucleus , functions as a nuclear receptor coactivator regulating glucocorticoid , androgen , mineralocorticoid and progesterone receptor transcriptional activity. May play a role in the processes of cell growth , proliferation , migration , differentiation and senescence. May have a zinc-dependent DNA-binding activity. ,induction:Up-regulated by TNF-alpha and hydrogen peroxide. ,PTM:Phosphorylated by gonadotropin-releasing hormone-activated SRC. ,similarity:Belongs to the paxillin family. ,similarity:Contains 4 LIM zinc-binding domains. ,subcellular location:Associated with the actin cytoskeleton; colocalizes with stress fibers. ,subunit:Homooligomer. Interacts with CRIP2 , HSPB1 , ILK , LIMS1 , LIMS2 , NCK2 , NUDT16L1 , PAK , PPARG , PTPN12 , TCF3 , TCF7L2 and VCL. Forms a complex with GIT1 and ARHGEF7 (By similarity) . Interacts with AR/androgen receptor in a ligand-dependent manner. Interacts with CSK , LYN , MAPK15 , NR3C1 , PPARG , PTK2 , PTK2B , SLC6A3 , SLC6A4 , SMAD3 , SRC and talin. ,tissue specificity:Expressed in platelets , smooth muscle and prostate stromal cells (at protein level) . ,

| Validation Data



Western Blot analysis of 1 A431 cell 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

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