Best Tools for immunology Research

Hip Monoclonal Antibody

Catalog No :	YM1042
Reactivity :	Human;Bovine;Dog;Pig
Applications :	WB;IHC;IF
Target :	Hip
Gene Name :	ST13
Protein Name :	Hsc70-interacting protein
Human Gene Id :	6767
Human Swiss Prot No :	P50502
Mouse Swiss Prot No :	Q99L47
Immunogen :	Purified recombinant human Hip protein fragments expressed in E.coli.
Specificity :	Hip Monoclonal Antibody detects endogenous levels of Hip protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:1000 - 1:2000. IHC 1:500 - 1:1000. IF 1:100 - 1:500. Not yet tested in other applications.
Purification :	Affinity purification
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	41kD

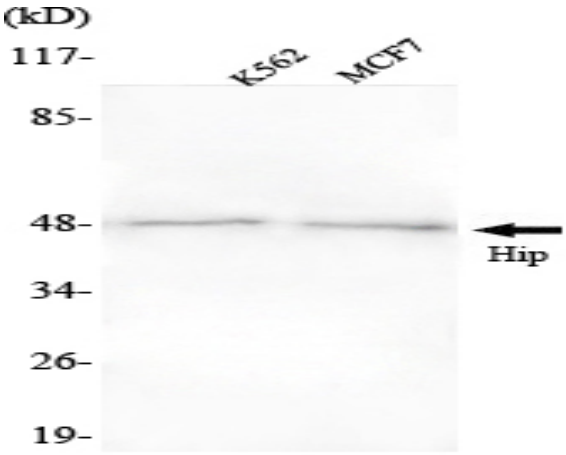
Background : The protein encoded by this gene is an adaptor protein that mediates the association of the heat shock proteins HSP70 and HSP90. This protein has been shown to be involved in the assembly process of glucocorticoid receptor, which requires the assistance of multiple molecular chaperones. The expression of this gene is reported to be downregulated in colorectal carcinoma tissue suggesting that it is a candidate tumor suppressor gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2013],

Function : function:One HIP oligomer binds the ATPase domains of at least two HSC70 molecules dependent on activation of the HSC70 ATPase by HSP40. Stabilizes the ADP state of HSC70 that has a high affinity for substrate protein. Through its own chaperone activity, it may contribute to the interaction of HSC70 with various target proteins.,similarity:Belongs to the FAM10 family.,similarity:Contains 1 STI1 domain.,similarity:Contains 3 TPR repeats.,subunit:Homotetramer. Interacts with HSC70 as well as DNAJ homologs and HSP90.,

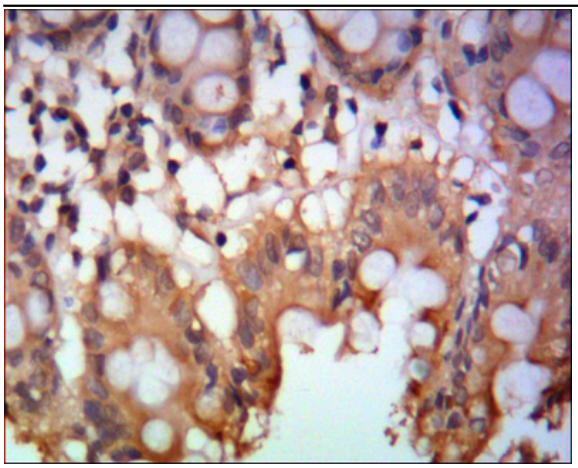
Subcellular Location : Cytoplasm .

Expression : Colon mucosa,Epithelium,Fet

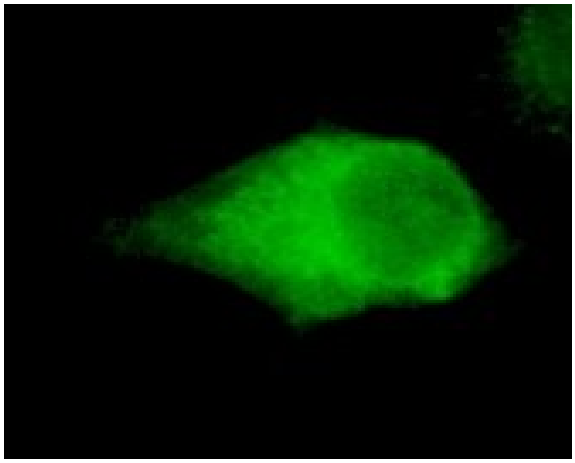
Products Images



Western Blot analysis using Hip Monoclonal Antibody against K562, MCF7 cell lysate.



Immunohistochemistry analysis of paraffin-embedded human colon using Hip Monoclonal Antibody.



Immunofluorescence analysis of HeLa cells using Hip Monoclonal Antibody.