

IRAK1BP1 Antibody

Catalog No: #35789



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Description

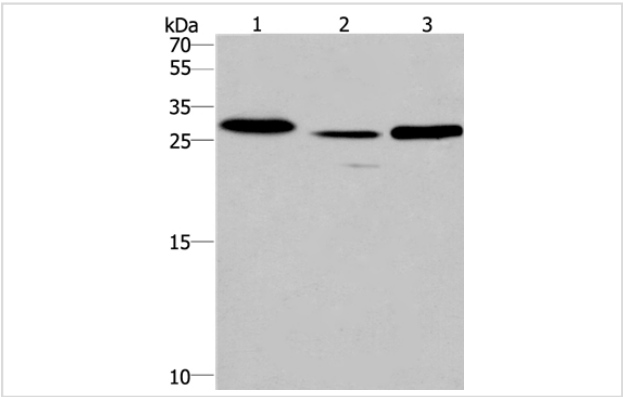
Product Name	IRAK1BP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total IRAK1BP1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	IRAK1BP1
Other Names	AIP70; SIMPL
Accession No.	Swiss-Prot#: Q5VVH5NCBI Gene ID: 134728Gene Accssion: BC112253
Uniprot	Q5VVH5
GeneID	134728;
SDS-PAGE MW	29kd
Concentration	1.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

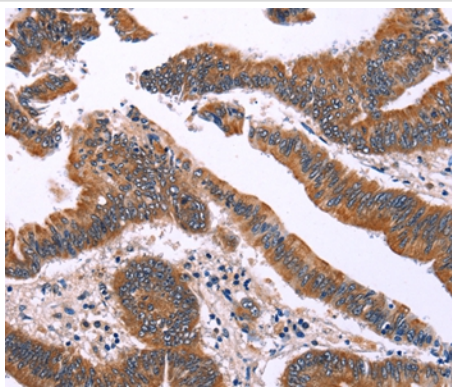
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

Images



Gel: 10%SDS-PAGE  
Lysates (from left to right): Human fetal liver tissue and mouse heart tissue,human testis tissue  
Amount of lysate: 40ug per lane  
Primary antibody: 1/475 dilution  
Secondary antibody dilution: 1/8000  
Exposure time: 1 minute



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using #35789 at dilution 1/40.

## Background

SIMPL, also known as IRAK1BP1 (interleukin-1 receptor-associated kinase 1-binding protein 1), is a 260 amino acid protein belonging to the IRAK1BP1 family. In addition to containing an intrinsically disordered region which associates with HSPA1 and HSPA8, SIMPL also interacts directly with IRAK1 and promotes RELA transcriptional activity. SIMPL is a major component of the IRAK1-dependent TNFRSF1A signaling pathway in which TNF-alpha induces NF-kappa-B gene transcription, leading to an inhibition of proinflammatory cytokines. Inactivation of SIMPL inhibits tumor necrosis factor receptor type I-induced NF-kappaB activity. Localizing to the nucleus and cytoplasm, SIMPL requires the phosphorylation of Ser-56 and/or Ser-62 to be fully active.

Note: This product is for in vitro research use only