IRAK1BP1 Polyclonal Antibody

Catalog Number:E-AB-10411

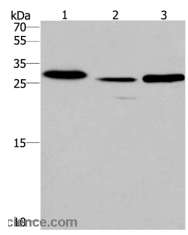
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

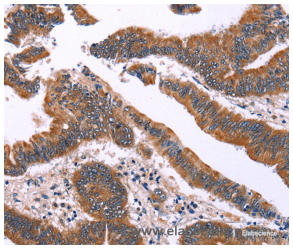
Reactivity	Human,Mouse
Immunogen	Recombinant protein of human IRAK1BP1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:200

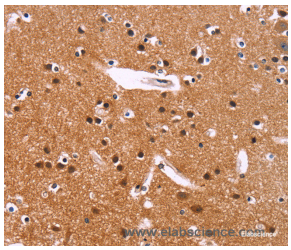
Data



Western Blot analysis of Human fetal liver tissue and Mouse heart tissue,Human testis tissue using IRAK1BP1 Polyclonal Antibody at dilution of 1:475
Calculated Mw:29kDa



Immunohistochemistry of paraffin-embedded Human colon cancer using IRAK1BP1 Polyclonal Antibody at dilution of 1:40



Immunohistochemistry of paraffin-embedded Human brain using IRAK1BP1 Polyclonal Antibody at dilution of 1:40

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

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

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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.

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