

Anti-IRAK4 antibody (1-460) (STJ27964)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

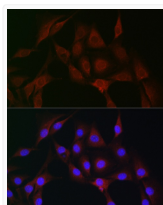
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 52kDa Observed Mw: 55kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

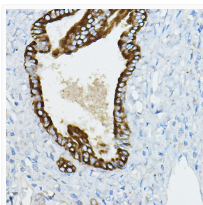
Gene ID	51135
Gene Symbol	IRAK4
UniProt ID	IRAK4_HUMAN
Immunogen Region	1-460
Immunogen Sequence	MNKPITPSTYVRCNLNVLIR KLSDFDIPQEGWKKLAVAIK KPSGDDRYNQFHRRFEALL QTGKSPTSELLFDWGTNTCT VGDLDLLIQNEFFAPASLL LPDAVPKTANTLPSKEAITV QQKQMPFCDKDRITLMTVPQN LEQSYMPDPSSSPENKSLEV SDTRFHSFSFYELKNVTNNF DERPISVGGNKMGEFGVV YKGYVNNTTAVKKLAAMVD
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-220 of human IRAK4 (NP_057207.2).

ADDITIONAL INFORMATION

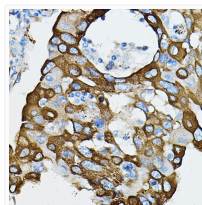
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



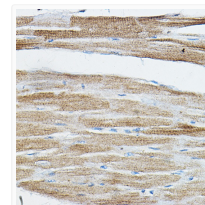
Immunofluorescence analysis of NIH/3T3 cells using IRAK4 Rabbit polyclonal antibody (STJ27964) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



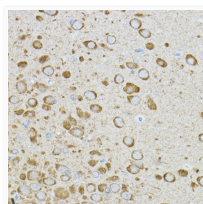
Immunohistochemistry analysis of IRAK4 in paraffin-embedded Human hepatobiliary duct using IRAK4 Rabbit polyclonal antibody (STJ27964) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



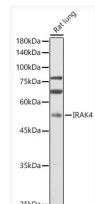
Immunohistochemistry analysis of IRAK4 in paraffin-embedded human lung cancer using IRAK4 Rabbit polyclonal antibody (STJ27964) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of IRAK4 in paraffin-embedded rat heart using IRAK4 Rabbit polyclonal antibody (STJ27964) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of IRAK4 in paraffin-embedded rat brain using IRAK4 Rabbit polyclonal antibody (STJ27964) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of lysates from Rat lung, using IRAK4 Rabbit polyclonal antibody (STJ27964) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 60s.