

Rabbit anti-Human TYK2 Polyclonal Antibody | anti-TYK2 antibody

TYK2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321888	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

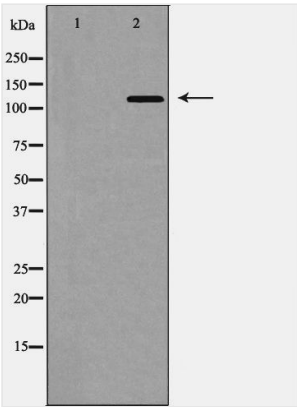
PRODUCT SYNONYMS

TYK2; Polyclonal Antibody; TYK2 Antibody; JTK 1; JTK1; Non receptor tyrosine protein kinase 2; Non receptor tyrosine protein kinase TYK2; Non-receptor tyrosine-protein kinase TYK2; OTTHUMP00000232745; OTTHUMP00000232746; OTTHUMP00000232748; Protein Tyrosine Kinase 2; TYK 2; Tyk2; TYK2_HUMAN; Tyrosine kinase 2; anti-TYK2 antibody

PRODUCT SPECIFICATIONS

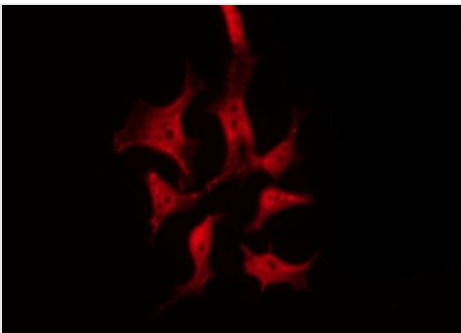
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	TYK2 antibody detects endogenous levels of total TYK2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1187
Applicable Applications for anti-TYK2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TYK2
Tissue Specificity	Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (80%), Zebrafish (80%), Bovine (90%), Horse (100%), Sheep (90%), Rabbit (80%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of TYK2 expression in 293 cell, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321888 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TYK2 antibody

Description: Probably involved in intracellular signal transduction by being involved in the initiation of type I IFN signaling. Phosphorylates the interferon-alpha/beta receptor alpha chain.
Subunit Structure: Interacts with JAKMIP1.
Similarity: The FERM domain mediates interaction with JAKMIP1. Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187608615
NCBI GeneID	7297
NCBI Accession #	NP_003322.3
NCBI GenBank Nucleotide #	NM_003331.4
UniProt Accession #	P29597; Q6QB10; Q96CH0
Molecular Weight	Observed: 134 kDa Predicted: 134 kDa
NCBI Official Full Name	non-receptor tyrosine-protein kinase TYK2
NCBI Official Synonym Full Names	tyrosine kinase 2
NCBI Official Symbol	TYK2
NCBI Official Synonym Symbols	JTK1; IMD35
NCBI Protein Information	non-receptor tyrosine-protein kinase TYK2
UniProt Protein Name	Non-receptor tyrosine-protein kinase TYK2
UniProt Gene Name	TYK2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.