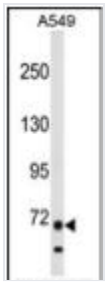
ITK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ITK, Polyclonal Antibody
Full Product Name	ITK, NT (ITK, EMT, LYK, Tyrosine-protein kinase ITK/TSK, Interleukin-2-inducible T-cell kinase, Kinase EMT, T-cell-specific kinase, Tyrosine-protein kinase Lyk) (PE)
Product Gene Name	anti-ITK antibody
Product Synonym Names	ITK; EMT; LYK; Tyrosine-protein kinase ITK/TSK; Interleukin-2-inducible T-cell kinase; Kinase EMT; T-cell-specific kinase; Tyrosine-protein kinase Lyk
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human ITK.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	71,831 Da
OMIM	gene 613011
3D Structure	ModBase 3D Structure for Q08881
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 25-54 in the N-terminal region of human ITK, UniProt Accession #Q08881. Species sequence homology: mouse
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-ITK antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-ITK antibody	FLISA, Western Blot (WB)
Application Notes for anti-ITK antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ITK antibody	This gene encodes an intracellular tyrosine kinase expressed in T-cells. The protein contains both SH2 and SH3 domains which are often found in intracellular kinases. It is thought to play a role in T-cell proliferation and differentiation. [provided by RefSeq].
Product References and Citations for anti-ITK antibody	1. Grasis, J.A., et al. Mol. Cell. Biol. 30(14):3596-3609(2010). 2. Pechloff, K., et al. J. Exp. Med. 207(5):1031-1044(2010). 3. Qi, Q., et al. J. Biol. Chem. 284(43):29882-29892(2009). 4. Kogina, K., et al. Mol. Cells 28(2):125-130(2009). 5. Voss, M., et al. BMC Immunol. 10, 53 (2009).

Other Notes	Small volumes of anti-ITK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ITK purchase	MBS6311355 is an antibody targeting ITK. Also known as ITK, NT (ITK, EMT, LYK, Tyrosine-protein kinase ITK/TSK, Interleukin-2-inducible T-cell kinase, Kinase EMT, T-cell-specific kinase, Tyrosine-protein kinase Lyk) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ITK antibody
Western Blot analysis of A549 cell line lysates (35ug/lane) usingMBS6011999. This demonstrates MBS6011999 detected the ITK protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ITK. It may not necessarily be applicable to this product.

NCBI GI #	15718680
NCBI GeneID	3702
NCBI Accession #	NP_005537.3
UniProt Primary Accession #	Q08881
UniProt Secondary Accession #	Q32ML7; B2R752
UniProt Related Accession #	Q08881
GenBank Nucleotide #	NM_005546.3
NCBI Official Full Name	tyrosine-protein kinase ITK/TSK
NCBI Official Synonym Full Names	IL2 inducible T-cell kinase
NCBI Official Symbol	ITK
NCBI Official Synonym Symbols	EMT; LYK; LPFS1; PSCTK2
UniProt Protein Name	Tyrosine-protein kinase ITK/TSK
UniProt Synonym Protein Names	Interleukin-2-inducible T-cell kinase; IL-2-inducible T-cell kinase; Kinase EMT; T-cell-specific kinase; Tyrosine-protein kinase Lyk
Protein Family	Tyrosine-protein kinase
UniProt Gene Name	ITK
UniProt Synonym Gene Names	EMT; LYK; IL-2-inducible T-cell kinase
UniProt Entry Name	ITK_HUMAN
NCBI Protein Information	tyrosine-protein kinase ITK/TSK
NCBI Summary for ITK	This gene encodes an intracellular tyrosine kinase expressed in T-cells. The protein contains both SH2 and SH3 domains which are often found in intracellular kinases. It is thought to play a role in T-cell proliferation and differentiation. [provided by RefSeq, Jul 2008]
Research Articles on ITK	**1.** We conclude that ITK, formerly considered an immune cell-specific protein, is aberrantly expressed in melanoma and promotes tumor development and progression

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