

Rabbit anti-Human Hexokinase-3 Polyclonal Antibody | anti-HK3 antibody

Hexokinase-3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327586	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Hexokinase-3; Polyclonal Antibody; Hexokinase-3 Antibody; ATP:D hexose 6 phosphotransferase; Hexokinase type III; Hexokinase3; HK III; Hk3; HKIII; HXK3; HXK3_HUMAN; anti-HK3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Hexokinase-3 antibody detects endogenous levels of total Hexokinase-3
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	923
Applicable Applications for anti-HK3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Hexokinase-3
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327586 staining HeLa cells 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) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of Hexokinase-3 using HT29 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-HK3 antibody	Function: In vertebrates there are four major glucose-phosphorylating isoenzymes, designated hexokinase I, II, III and IV (glucokinase). Subunit Structure: Monomer. Similarity: The N-and C-terminal halves of this hexokinase show extensive sequence similarity to each other. The catalytic activity is associated with the C-terminus while regulatory function is associated with the N-terminus. Belongs to the hexokinase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194097330
NCBI GeneID	3101
NCBI Accession #	NP_002106.2
NCBI GenBank Nucleotide #	NM_002115.2
UniProt Accession #	P52790; Q8N1E7
Molecular Weight	Observed: 98 kDa Predicted: 100 kDa
NCBI Official Full Name	hexokinase-3
NCBI Official Synonym Full Names	hexokinase 3
NCBI Official Symbol	HK3
NCBI Official Synonym Symbols	HXK3; HKIII
NCBI Protein Information	hexokinase-3
UniProt Protein Name	Hexokinase-3
UniProt Gene Name	HK3
UniProt Synonym Gene Names	HK III

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hexokinase-3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/327586>