

Mouse anti-Human HHEX / HEX Monoclonal Antibody | anti-HHEX / HEX antibody

Anti-HHEX / HEX Antibody (clone 3F4) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52566	Mouse	Human	Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

HHEX / HEX; Monoclonal Antibody; Anti-HHEX / HEX Antibody (clone 3F4) IHC-plus; Mouse Monoclonal [clone 3F4] (IgG2b) to Human HHEX / HEX; Human HHEX / HEX; HMPH; Homeobox protein HEX; HOX11L-PEN; PRHX; Homeobox protein PRH; PRH; anti-HHEX / HEX antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	3F4
Specificity	Human HHEX / HEX
Purity/Purification	Protein A/G purified
Form/Format	PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide
Concentration	0.5-1.0 mg/ml (varies by lot)
Sequence Length	271
Applicable Applications for anti-HHEX / HEX antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	HHEX / HEX antibody was raised against recombinant fragment expressed in E Coli corresponding to amino acids 100-270 of human Hex.
Immunogen Description	Recombinant fragment expressed in E Coli corresponding to amino acids 100-270 of human Hex.
Immunogen Type	Recombinant protein
Target Species	Human
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



IF (Immunofluorescence)
Immunofluorescent staining of HeLa cells using anti-HHex mouse monoclonal antibody.



IF (Immunofluorescence)
Immunofluorescent staining of HT29 cells using anti-HHex mouse monoclonal antibody.



IF (Immunofluorescence)
Anti-HHex mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY HHex.



IHC (Immunohistochemistry)
Human Skin: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-HHEX / HEX antibody	HHEX Antibody, HEX Antibody, HMPH Antibody, Homeobox protein HEX Antibody, HOX11L-PEN Antibody, PRHX Antibody, Homeobox protein PRH Antibody, PRH Antibody Description: Recognizes the DNA sequence 5'-ATTAA-3'. Transcriptional repressor. May play a role in hematopoietic differentiation. Establishes anterior identity at two levels; acts early to enhance canonical WNT-signaling by repressing expression of TLE4, and acts later to inhibit NODAL-signaling by directly targeting NODAL.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1170322
NCBI GeneID	15242
UniProt Accession #	P43120; Q544N6; Q9CRV1; Q9R1X2
NCBI Official Full Name	Hematopoietically-expressed homeobox protein Hhex
NCBI Official Synonym Full Names	hematopoietically expressed homeobox
NCBI Official Symbol	Hhex
NCBI Official Synonym Symbols	Hex; Prh; Hex1; Prhx; Hhex-rs2
NCBI Protein Information	hematopoietically-expressed homeobox protein Hhex
UniProt Protein Name	Hematopoietically-expressed homeobox protein Hhex
UniProt Gene Name	Hhex
UniProt Synonym Gene Names	Prh; Prhx; Homeobox protein HEX; mHex
UniProt Entry Name	HHEX_MOUSE

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/monoclonal/hhex-hex-antibody-clone-3f4-immunofluorescence-immunohistochemistry-elisa/52566>