

Rabbit HLTF Polyclonal Antibody | anti-HLTF antibody

HLTF Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329041	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(88%), Zebrafish(83%), Horse(88%), Sheep(88%), Rabbit(88%), Dog(100%), Xenopus(88%)	ELISA

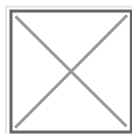
PRODUCT SYNONYMS

HLTF; Polyclonal Antibody; HLTF Antibody; DNA-binding protein/plasminogen activator inhibitor 1 regulator; Helicase like transcription factor; Helicase-like transcription factor; HIP116; HIP116A; HLTF 1; Hltf; HLTF_HUMAN; HLTF1; p113; RING finger protein 80; RNF80; SMARC A3; SMARCA 3; SMARCA3; SNF2-like 3; SNF2L3; Sucrose nonfermenting protein 2 like 3; Sucrose nonfermenting protein 2-like 3; SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily A member 3; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin a3; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 3; ZBU 1; ZBU1; anti-HLTF antibody

PRODUCT SPECIFICATIONS

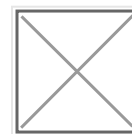
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(88%), Zebrafish(83%), Horse(88%), Sheep(88%), Rabbit(88%), Dog(100%), Xenopus(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	HLTF Antibody detects endogenous levels of total HLTF.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	1008
Applicable Applications for anti-HLTF antibody	ELISA
Immunogen	A synthesized peptide derived from human HLTF, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA329041 staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329041) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



WB (Western Blot)

Western blot analysis of extracts from Hela cells, using HLTF Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from Rat lung, using HLTF Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HLTF antibody	Function: Has both helicase and E3 ubiquitin ligase activities. Possesses intrinsic ATP-dependent nucleosome-remodeling activity; This activity may be required for transcriptional activation or repression of specific target promoters (By similarity). These may include the SERPINE1 and HIV-1 promoters and the SV40 enhancer, to which this protein can bind directly. Plays a role in error-free postreplication repair (PRR) of damaged DNA and maintains genomic stability through acting as a ubiquitin ligase for 'Lys-63'-linked polyubiquitination of chromatin-bound PCNA. Subcellular Location: Cytoplasm. Nucleus. Nucleus>Nucleolus. Nucleus>Nucleoplasm. Note: Nuclear localization is stimulated by progesterone. Tissue Specificity: Expressed in brain, heart, kidney, liver, lung, pancreas, placenta and skeletal muscle. Subunit Structure: Interacts with SP1 and SP3 independently of DNA; the interaction with these transcriptional factors may be required for basal transcription of target genes. Interacts with EGR1; the interaction requires prior binding to DNA and represses c-Rel via a DNA looping mechanism (By similarity). Interacts with GATA4 (By similarity). Interacts with PCNA; the interaction promotes polyubiquitination of PCNA through association with the UBE2B-RAD18 and UBE2V2-UBE2N ubiquitin ligase complexes. Interacts with RAD18, SHPRH, UBE2V2 and UBE2N. Similarity: Belongs to the SNF2/RAD54 helicase family. RAD16 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	974576782
NCBI GeneID	6596
NCBI Accession #	NP_001305863.1
NCBI GenBank Nucleotide #	NP_001305863.1
UniProt Accession #	Q14527
Molecular Weight	Observed Molecular Weight: (Observed)113kD. Predicted Molecular Weight: (Calculated)114kDa.
NCBI Official Full Name	helicase-like transcription factor isoform 2
NCBI Official Synonym Full Names	helicase like transcription factor
NCBI Official Symbol	HLTF
NCBI Official Synonym Symbols	ZBU1; HLTF1; RNF80; HIP116; SNF2L3; HIP116A; SMARCA3
NCBI Protein Information	helicase-like transcription factor
UniProt Protein Name	Helicase-like transcription factor
UniProt Gene Name	HLTF
UniProt Synonym Gene Names	HIP116A; RNF80; SMARCA3; SNF2L3; ZBU1

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.

