

Rabbit anti-Human, Mouse MYST4 Polyclonal Antibody | anti-MYST4 antibody

MYST4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327702	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

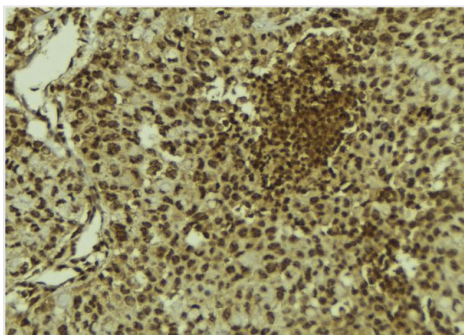
PRODUCT SYNONYMS

MYST4; Polyclonal Antibody; MYST4 Antibody; DKFZp313G1618; FLJ90335; Histone acetyltransferase MORF; Histone acetyltransferase MOZ2; Histone acetyltransferase MYST4; KAT 6B; KIAA0383; Monocytic leukemia zinc finger protein related factor; Monocytic leukemia zinc finger protein-related factor; MOZ 2; MOZ; MOZ related factor; MOZ YBF2/SAS3 SAS2 and TIP60 protein 4; MOZ2; MYST 4; MYST histone acetyltransferase (monocytic leukemia) 4; MYST protein 4; MYST-4; MYST4_HUMAN; OTTHUMP00000019866; OTTHUMP00000019867; OTTHUMP00000019869; OTTHUMP00000019870; QKF; Querkopf; SAS2 and TIP60 protein 4; YBF2/SAS3; anti-MYST4 antibody

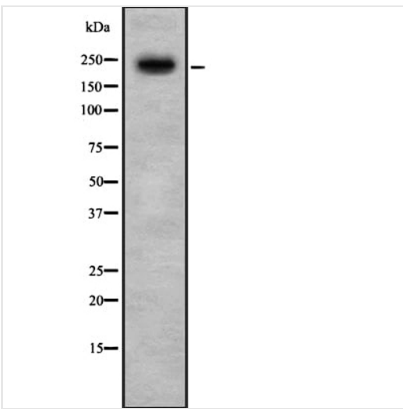
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	MYST4 antibody detects endogenous levels of total MYST4
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	1890
Applicable Applications for anti-MYST4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MYST4
Subcellular Location	Nucleus.
Tissue Specificity	Ubiquitously expressed, with high levels in heart, pancreas, testis and ovary.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327702 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of MYST4 using LOVO whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-MYST4 antibody	Function: Histone acetyltransferase which may be involved in both positive and negative regulation of transcription. Required for RUNX2-dependent transcriptional activation. May be involved in cerebral cortex development. Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity. Subunit Structure: Component of the MOZ/MORF complex composed at least of ING5, KAT6A, KAT6B, MEAF6 and one of BRPF1, BRD1/BRPF2 and BRPF3. Interacts with RUNX1 and RUNX2. Post-translational Modifications: Autoacetylated (PubMed:10497217 and PubMed:11965546). Autoacetylation at Lys-815 is required for proper function. Similarity: The N-terminus is involved in transcriptional activation while the C-terminus is involved in transcriptional repression. Belongs to the MYST (SAS/MOZ) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	374349205
NCBI GeneID	23522
NCBI Accession #	NP_001243397.1
NCBI GenBank Nucleotide #	NM_001256468.1
UniProt Accession #	Q8WYB5; O15087; Q86Y05; Q8WU81; Q9UKW2; Q9UKW3; Q9UKX0
Molecular Weight	Observed: 231 kDa Predicted: 232 kDa
NCBI Official Full Name	histone acetyltransferase KAT6B isoform 2
NCBI Official Synonym Full Names	lysine acetyltransferase 6B
NCBI Official Symbol	KAT6B
NCBI Official Synonym Symbols	qkf; MORF; MOZ2; GTPTS; MYST4; ZC2HC6B; querkopf
NCBI Protein Information	histone acetyltransferase KAT6B
UniProt Protein Name	Histone acetyltransferase KAT6B
UniProt Gene Name	KAT6B
UniProt Synonym Gene Names	KIAA0383; MORF; MOZ2; MYST4; MYST-4

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.

