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Datasheet for ABIN6142689

anti-MYST2 antibody (AA 55-193)

6 Images

1 Publication

Overview

Quantity:	100 µL
Target:	MYST2
Binding Specificity:	AA 55-193
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYST2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 55-193 of human KAT7 (NP_008998.1).
Sequence:	DSSPVRNLQS FGTEEPAYST RRVTRSQQQP TPVTPKKYPL RQTRSSGSET EQVVDFSDRE TKNTADHDES PPRTPGNAP SSESIDISS PNVSHDESIA KDMSLKDSGS DLSHRPKRRR FHESYNFMNK CPTPGCNSL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MYST2
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Target Details

Alternative Name: KAT7 ([MYST2 Products](#))

Background: The protein encoded by this gene is part of the multimeric HBO1 complex, which possesses histone H4-specific acetyltransferase activity. This activity is required for functional replication origins and is involved in transcriptional activation of some genes. In both cases, the acetylation of histone H4 helps unfold chromatin so that the DNA can be accessed and replicated or transcribed.,KAT7,HBO1,HBOA,MYST2,ZC2HC7,Epigenetics & Nuclear Signaling,Histones,Chromatin Modifying Enzymes,Acetylation,KAT7

Molecular Weight: 51 kDa/55 kDa/58 kDa/66 kDa/70 kDa

Gene ID: 11143

UniProt: [O95251](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

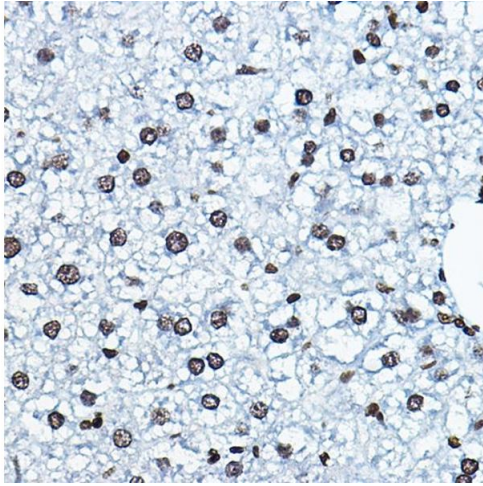
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

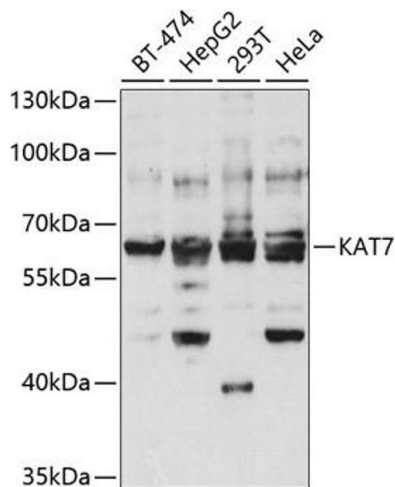
Publications

Product cited in: Yuan, Shan, Tan, Deng, Liu, Wang, Luo, He, Luo, Zhang, Baker, Olson, Qi: "SRC-3 Plays a Critical Role in Human Umbilical Vein Endothelial Cells by Regulating the PI3K/Akt/mTOR Pathway in Preeclampsia." in: **Reproductive sciences (Thousand Oaks, Calif.)**, Vol. 25, Issue 5, pp. 748-758 , (2018) ([PubMed](#)).



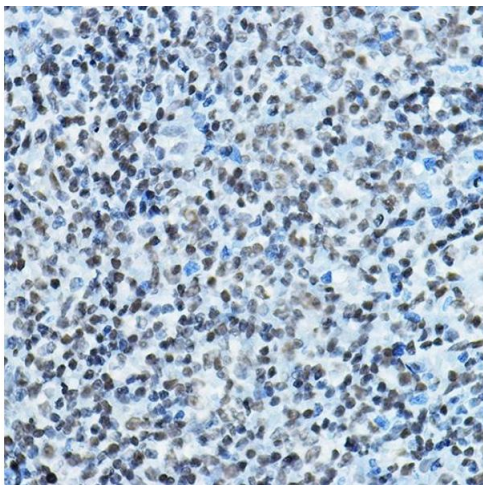
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse liver using K Rabbit pAb (ABIN6128005, ABIN6142689, ABIN6142690 and ABIN6221516) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using K antibody (ABIN6128005, ABIN6142689, ABIN6142690 and ABIN6221516) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat spleen using K Rabbit pAb (ABIN6128005, ABIN6142689, ABIN6142690 and ABIN6221516) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6142689.