

# Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

contact: [support@agrisera.com](mailto:support@agrisera.com)

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | [www.agrisera.com](http://www.agrisera.com)

Product no **AS05 078**

## MYST4 | histone acetyltransferase KAT6B

### Product information

<b>Background</b>	<b>MYST4 (KAT6B)</b> , EC=2.3.1.48, is a transcriptional coactivator with histone acetyltransferase activity. This protein is essential for normal mouse embryo development. Mouse mutants for MYST4 show craniofacial abnormalities, retards in post-natal development, defaults in the nervous system and neurogenique problems. Abnormal chromosomic rearengements of MYST4 with the CBP gene is involved in acute myeloid leukaemia (AML)-M4. Furthermore, in the ovary and the testis of mammals, MYST4 is mainly localized in specialized cells involved in male and female gametogenesis. Alternative names: Histone acetyltransferase MOZ2, MOZ, YBF2/SAS3, SAS2 and TIP60 protein 4, Monocytic leukemia zinc finger protein-related factor.
<b>Immunogen</b>	<u>KLH</u> -conjugated synthetic peptide chosen from a bovine histone acetyltrasferase MYST4 <u>A7E390</u>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Affinity purified serum
<b>Format</b>	Lyophilized in PBS pH 7.4
<b>Quantity</b>	100 µg
<b>Reconstitution</b>	For reconstitution add 125 µl of sterile water.
<b>Storage</b>	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
<b>Tested applications</b>	Imunohistochemistry (IHC) Immunoprecipitation (IP), Western blot (WB)
<b>Related products</b>	<u>Secondary antibodies</u>
<b>Additional information</b>	Antibody has been used on extracts from bovine brain, thymus, muscle, lung, heart, liver, kidney and spleen

### Application information

<b>Recommended dilution</b>	1 : 1000 (IHC), 1 :7500 (WB)
<b>Expected   apparent MW</b>	230 kDa
<b>Confirmed reactivity</b>	bovine, antibody will also react with bovine MYST4 isoforms (MORF and MORF )
<b>Predicted reactivity</b>	Black flying fox, Human (isoform 2,3), Mouse (isoform 2,3,4), Vampire bat
<b>Not reactive in</b>	Plants
<b>Additional information</b>	Blocking used in IHC was done with 5% dry milk. Secondary antibodyused: Fluorescein-conjugated goat anti-rabbit IgG (Molecular Probes) diluted 1:1000.For high resolution images, please visit the specific product page at <a href="http://www.agrisera.com">www.agrisera.com</a>
<b>Selected references</b>	<u>McGraw</u> et al. (2007). Investigation of MYST4 histone acetyltransferase and its involvement in mammalian gametogenesis. BMC Dev.Biol. 7:123.

For high resolution images, please visit the specific product page at [www.agrisera.com](http://www.agrisera.com)