



product **AS05 078**
MYST4 | histone acetyltransferase

product information

background	MYST4 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 neurogenetic problems. Abnormal chromosomal rearrangements 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.
immunogen	<u>KLH</u> -conjugated synthetic peptide chosen from a bovine histone acetyltransferase MYST4 <u>A7E390</u>
antibody format	rabbit polyclonal affinity purified serum, in PBS pH 7.4, lyophilized
quantity	100 µg, for reconstitution add 125 µl of sterile water.
storage	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.
tested applications	western blot (WB) immunohistochemistry (IHC) immunoprecipitation (IP)
additional information	antibody has been used on extracts from bovine brain, thymus, muscle, lung, heart, liver, kidney and spleen

application information

recommended dilution	1:7500 with standard ECL (WB), 1:1000 (IHC)
expected apparent MW	230 kDa
confirmed reactivity	bovine, antibody will also react with bovine MYST4 isoforms (MORF and MORF)
predicted reactivity	human
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	blocking used in IHC was done with 5% dry milk. Secondary antibody used: Fluorescein-conjugated goat anti-rabbit IgG (Molecular Probes) diluted 1:1000.
selected references	<u>McGraw</u> et al. (2007). Investigation of MYST4 histone acetyltransferase and its involvement in mammalian gametogenesis. BMC Dev.Biol. 7:123.

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

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