

## ALDH9A1 rabbit pAb

<b>Catalog No :</b>	YN7247
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	ALDH9A1
<b>Gene Name :</b>	ALDH9A1 ALDH4 ALDH7 ALDH9
<b>Protein Name :</b>	4-trimethylaminobutyraldehyde dehydrogenase (TMABADH) (EC 1.2.1.47) (Aldehyde dehydrogenase E3 isozyme) (Aldehyde dehydrogenase family 9 member A1) (EC 1.2.1.3) (Gamma-aminobutyraldehyde dehydrogenase)
<b>Human Gene Id :</b>	223
<b>Human Swiss Prot No :</b>	P49189
<b>Mouse Gene Id :</b>	56752
<b>Mouse Swiss Prot No :</b>	Q9JLJ2
<b>Rat Gene Id :</b>	64040
<b>Rat Swiss Prot No :</b>	Q9JLJ3
<b>Immunogen :</b>	Synthesized peptide derived from human ALDH9A1
<b>Specificity :</b>	This antibody detects endogenous levels of ALDH9A1 at Human, Mouse,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	54kD
<b>Function :</b>	Converts gamma-trimethylaminobutyraldehyde into gamma-butyrobetaine with high efficiency (in vitro). Can catalyze the irreversible oxidation of a broad range of aldehydes to the corresponding acids in an NAD-dependent reaction, but with low efficiency.
<b>Subcellular Location :</b>	Cytoplasm, cytosol .
<b>Expression :</b>	Detected in brain (at protein level) (PubMed:8645224). High expression in adult liver, skeletal muscle, and kidney. Low levels in heart, pancreas, lung and brain (PubMed:8786138). Expressed in all regions of the brain. Expression levels are variable in the different brain areas, with the highest levels in the spinal cord and the lowest in the occipital pole.

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