

HSD17B14 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56312

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9BPX1
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28317

Additional Information

Gene ID	51171
Other Names	17-beta-hydroxysteroid dehydrogenase 14, 17-beta-HSD 14, 1.1.1.62, 17-beta-hydroxysteroid dehydrogenase DHRS10, Dehydrogenase/reductase SDR family member 10, Retinal short-chain dehydrogenase/reductase retSDR3, Short chain dehydrogenase/reductase family 47C member 1, HSD17B14 (HGNC:23238)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	HSD17B14 (HGNC:23238)
Function	Catalyzes the NAD(+)-dependent oxidation of L-fucose, yielding L-fucono-1,5-lactone, which rapidly converts spontaneously to L-fucone-1,4-lactone. Can also act on D-arabinose and L-galactose, with lower catalytic efficiency (PubMed: 38944119). Does not use NADPH (PubMed: 38944119). May be the initial enzyme of the L-fucose degradation pathway in mammals (PubMed: 17067289 , PubMed: 38944119).
Cellular Location	Cytoplasm.
Tissue Location	Highly expressed in brain, placenta, liver and kidney.