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HSDL1 Rabbit pAb

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Catalog # AP56313

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q3SXM5
Predicted	Rat, Pig, Dog, Human, Mouse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37002
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HSDL1
Epitope Specificity	161-260/330
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Mitochondrion.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	HSDL1 is a 330 amino acid protein that belongs to the short-chain dehydrogenases/reductases (SDR) family and 17-beta-HSD 3 subfamily. Localizing to the mitochondrion, HSDL1 is highly expressed in testis and ovary, with lower levels of expression found in thyroid, spinal cord, adrenal gland, heart, placenta, skeletal muscle, small intestine, colon, spleen, prostate and pancreas. HSDL1 interacts with DUSP24 and is encoded by a gene that maps to human chromosome 16q23.3 and mouse chromosome 8 E1. Chromosome 16 encodes over 900 genes in approximately 90 million base pairs, makes up nearly 3% of human cellular DNA, and is associated with a variety of genetic disorders. The rare disorder Rubinstein-Taybi syndrome is associated with chromosome 16 through the CREBBP gene, which encodes a critical CREB binding protein. Crohn's disease is a gastrointestinal inflammatory condition associated with chromosome 16 through the NOD2 gene.

Additional Information

Gene ID	83693
Other Names	Inactive hydroxysteroid dehydrogenase-like protein 1, Short chain dehydrogenase/reductase family 12C member 3, HSDL1, SDR12C3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=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	HSDL1
Synonyms	SDR12C3
Cellular Location	Mitochondrion.
Tissue Location	Highly expressed in testis and ovary. Also detected in thyroid, spinal cord, adrenal gland, heart, placenta, skeletal muscle, small intestine, colon, spleen, prostate and pancreas

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.