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Datasheet for ABIN6944113
anti-MOXD1 antibody (AA 501-600) (Biotin)

Overview

Quantity:	100 µL
Target:	MOXD1
Binding Specificity:	AA 501-600
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MOXD1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MOXD1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	MOXD1
Alternative Name:	MOXD1 (MOXD1 Products)

Target Details

Background: Synonyms: DBH like monooxygenase protein 1, DBH-like monooxygenase protein 1, dJ248E1.1, DKFZp564G202, Monooxygenase X, monooxygenase, DBH like 1, MOX, Moxd1, MOXD1_HUMAN, PRO5780.

Background: MOXD1 is a 613 amino acid single-pass type I membrane protein of the Endoplasmic reticulum that belongs to the copper type II ascorbate-dependent monooxygenase family. Existing as two alternatively spliced isoforms, MOXD1 is expressed in adult spinal cord, adrenal gland, brain, testis, uterus, lung and kidney, as well as fetal liver and brain. MOXD1 is upregulated during replicative senescence in primary fibroblast and umbilical vein endothelial cell cultures, and uses two copper ions per subunit as a cofactor. MOXD1 contains one DOMON domain, undergoes post-translational N-glycosylation and is encoded by a gene that maps to human chromosome 6. Chromosome 6 contains 170 million base pairs, comprises nearly 6 % of the human genome and is associated with early onset intestinal cancer, Porphyria cutanea tarda, Parkinson's disease and Stickler syndrome.

Gene ID: 26002

UniProt: [Q6UVY6](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Handling

Expiry Date: 12 months