

MOXD1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56811

Specification

MOXD1 Polyclonal Antibody - Product Information

Application Primary Accession

Reactivity
Host
Clonality
Calculated MW
Physical State
Immunogen

Epitope Specificity

Isotype **Purity**

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

WB, IHC-P, IHC-F, IF, ICC, E

KLH conjugated synthetic peptide derived

Rat, Pig, Dog, Bovine

from human MOXD1

06UVY6

Rabbit

68 KDa

Liquid

laG

Polyclonal

501-600/613

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Endoplasmic reticulum membrane.
SIMII ARITY Belongs to the copper type II

SIMILARITY

Belongs to the copper type II

ascorbate-dependent monooxygenase

family. Contains 1 DOMON domain.

Post-translational modifications N-glycosylated.

Important Note

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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.

MOXD1 Polyclonal Antibody - Additional Information

Gene ID 26002

Other Names

DBH-like monooxygenase protein 1, 1.14.17.-, Monooxygenase X, MOXD1, MOX



Target/Specificity

Highly expressed in lung, kidney, brain and spinal cord.

Dilution

- WB~~1:1000<br \><span class</pre>
- ="dilution_IHC-P">IHC-P \sim N/A<br\><span class
- ="dilution IHC-F">IHC-F~~N/A<br \><span class
- ="dilution_IF">IF \sim 1:50 \sim 200<br \>ICC \sim N/A<br \>E \sim N/A

Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ C.

MOXD1 Polyclonal Antibody - Protein Information

Name MOXD1

Synonyms MOX

Cellular Location

Endoplasmic reticulum membrane; Single-pass type I membrane protein

Tissue Location

Highly expressed in lung, kidney, brain and spinal cord.

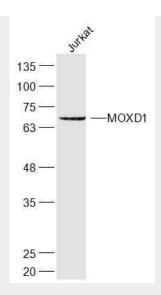
MOXD1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MOXD1 Polyclonal Antibody - Images





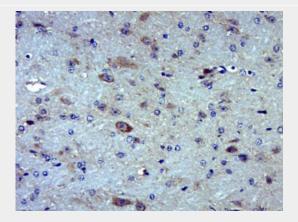
Sample:

Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-MOXD1 (bs-17733R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 68 kD Observed band size: 68 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MOXD1) Polyclonal Antibody, Unconjugated (bs-17733R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.