

bs-17733R**[Primary Antibody]****MOXD1 Rabbit pAb****BioSS**
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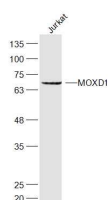
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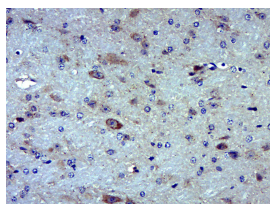
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 26002 Target: MOXD1 Immunogen: KLH conjugated synthetic peptide derived from human MOXD1: 501-600/613. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. 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.	Isotype: IgG SWISS: Q6UVY6 Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 68 kDa Subcellular Location: Cytoplasm
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— VALIDATION 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.

— SELECTED CITATIONS —

- **[IF=8.786]** Jia-hao Bao. et al. Identification of a novel cuproptosis-related gene signature and integrative analyses in patients with lower-grade gliomas.. FRONT IMMUNOL. 2022 Aug;13:933973-933973 WB ;Human. 36045691
- **[IF=7.162]** Jia Minxue. et al. Early events marking lung fibroblast transition to profibrotic state in idiopathic pulmonary

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fibrosis. RESP RES. 2023 Dec;24(1):1-13 IHC,IF ;Human. 37085855