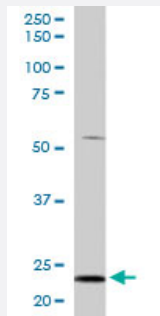


# MXD4 polyclonal antibody

Catalog # PAB6256      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

MXD4 polyclonal antibody (Cat # PAB6256) staining (0.5 ug/mL) of human kidney lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

## Specification

**Product Description** Goat polyclonal antibody raised against synthetic peptide of MXD4.

**Immunogen** A synthetic peptide corresponding to human MXD4.

**Sequence** GPHCRRLGRPALS

**Host** Goat

**Theoretical MW (kDa)** 23.5

**Reactivity** Human

**Form** Liquid

**Purification** Antigen affinity purification

**Concentration** 0.5 mg/mL

**Quality Control Testing** Antibody Reactive Against Synthetic Peptide.

**Recommend Usage**  
 ELISA (1:16000)  
 Western Blot (0.5-2 ug/mL)  
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — MXD4

Entrez GeneID	<a href="#">10608</a>
Protein Accession#	<a href="#">NP_006445.1</a>
Gene Name	MXD4
Gene Alias	MAD4, MST149, MSTP149, bHLHc12
Gene Description	MAX dimerization protein 4
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene is a member of the MAD gene family . The MAD genes encode basic helix-loop-helix-leucine zipper proteins that heterodimerize with MAX protein, forming a transcriptional repression complex. The MAD proteins compete for MAX binding with MYC, which heterodimerizes with MAX forming a transcriptional activation complex. Studies in rodents suggest that the MAD genes are tumor suppressors and contribute to the regulation of cell growth in differentiating tissues. [provided by RefSeq]
Other Designations	MAD4 Mad4 homolog

## Publication Reference

- [Mad3 and Mad4: novel Max-interacting transcriptional repressors that suppress c-myc dependent transformation and are expressed during neural and epidermal differentiation.](#)

Hurlin PJ, Queva C, Koskinen PJ, Steingrimsson E, Ayer DE, Copeland NG, Jenkins NA, Eisenman RN.

The EMBO Journal 1995 Nov; 14(22):5646.

Application: IHC-P, Mouse, Skins, Spinal cords