

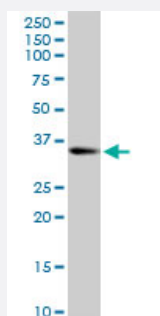
MaxPab®

SOX2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00006657-D01P

Size 100 ug

Applications



Western Blot (Tissue lysate)

SOX2 MaxPab rabbit polyclonal antibody. Western Blot analysis of SOX2 expression in mouse brain.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human SOX2 protein.

Immunogen

SOX2 (NP_003097.1, 1 a.a. ~ 317 a.a) full-length human protein.

Sequence

MYNMMETELKPPGPQQTSGGGGGNSTAAAAGGNQKNSPDRVKRPMNAFMVWSRGQRRKMAQ
ENPKMHNSEISKRLGAEWKLLSETEKRPFIDEAKRLRALHMKEHPDYKYRPRRKTCTLMKKDKYT
LPGGLLAPGGNSMASGVGVGAGLGAGVNQRMDSYAHMNGWSNGSYSMMQDQLGYPQHPLN
AHGAAQMMPMHRYDVSALQYNSMTSSQTYMNGSPTYSMSYSQQGTPGMALGSMGVSVKSEAS
SSPPVVTSSSHSRAPCQAGDLRDMISMYLPGAEVPEPAAPSRLHMSQHYQSGPVPGTANGTLP
LSHM

Host

Rabbit

Reactivity

Human, Mouse

Quality Control Testing

Antibody reactive against mammalian tissue lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

Gene Info — SOX2

Entrez GeneID [6657](#)

GeneBank Accession# [NM_003106.2](#)

Protein Accession# [NP_003097.1](#)

Gene Name SOX2

Gene Alias ANOP3, MCOPS3, MGC2413

Gene Description SRY (sex determining region Y)-box 2

Omim ID [184429 206900](#)

Gene Ontology [Hyperlink](#)

Gene Summary This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2 OT). [provided by RefSeq]

Other Designations SRY-related HMG-box gene 2|sex-determining region Y-box 2|transcription factor SOX2

Disease

- [Anophthalmos](#)
- [Coloboma](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)

- [Kidney Failure](#)
- [Microphthalmos](#)
- [Myopia](#)