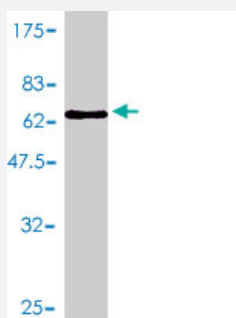


SOX2 polyclonal antibody (A01)

Catalog # H00006657-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (60.98 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant SOX2.
Immunogen	SOX2 (AAH13923, 1 a.a. ~ 317 a.a) full-length recombinant protein with GST tag.
Sequence	MYNMMETELKPPGPQQTSGGGGGNSTAAAAGGNQKNSPDRVKRPMNAFMVWSRGHRRKMAQ ENPKMHNSEISKRLGAEWKLLSETEKRPFIDEAKRLRALHMKEHPDYKYRPRRKTKTLMKKDKYT LPGGLLAPGGNSMASGVGVGAGLGAGVNQRMDSYAHMNGWSNGSYSMMQDQLGYPQHPLN AHGAAQMMPMHRYDVSALQYNSMTSSQTYMNGSPTYSMSYSQQGTPGMALGSMGSVVKSEAS SSPPVVTSSSHSRAPCQAGDLRDMISMYLPGAEVPEPAAPSRLHMSQHYQSGPVPGTAINGTLP LSHM
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (60.98 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SOX2

Entrez GeneID [6657](#)

GeneBank Accession# [BC013923](#)

Protein Accession# [AAH13923](#)

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

Publication Reference

- [A combined microRNA-based targeted therapeutic approach to eradicate glioblastoma stem-like cells.](#)

Esposito CL,Nuzzo S,Kumar SA,Rienzo A,Lawrence CL,Pallini R,Shaw L,Alder JE,Ricci-Vitiani L,Catuogno S,de Franciscis V.

Journal of Controlled Release 2016 Sep; 238:43.

Application: WB, Human, U-87 MG cell

Disease

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