

Product datasheet for **TA327960**

SOX2 Rabbit Polyclonal Antibody [Clone ID: Poly6308]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Poly6308
Applications:	WB
Recommended Dilution:	WB, IF
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide-KLH (N-terminal)
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.
Purification:	The antibody was purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34 kD
Gene Name:	SRY-box 2
Database Link:	NP_003097 Entrez Gene 6657 Human P48431



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Background:

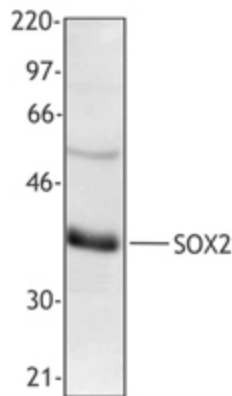
This rabbit polyclonal antibody recognizes human SOX2 also known as SRY (sex determining region Y)-box 2 and ANOP3. SOX2 is a nucleus protein, predicted molecular weight 34 kD. SOX2 belongs to the SOX (SRY-box containing gene) gene family which encodes a group of transcription factors defined by the conserved high motility group (HMG) DNA-binding domain. They are involved in the regulation of embryonic development and in the determination of cell fate. Defects in SOX2 are a cause of true or primary anophthalmos, also called anophthalmia or ANOP3. Anophthalmos is a developmental defect characterized by complete absence of the eyes (rare) or by the presence of vestigial eyes. The poly6308 antibody has been shown to be useful for Western blotting.

Synonyms:

ANOP3; MCOPS3

Protein Families:

Adult stem cells, Cancer stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

Product images:

NTERA-2 whole cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit polyclonal antibody raised against the N-terminal region of SOX2. Proteins were visualized using HRP Donkey anti-rabbit IgG and a chemiluminescence detection system.