

Rabbit Anti-SOX2 Polyclonal Antibody

CPB-1257RH Rabbit(SOX2)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-SOX2 Polyclonal Antibody
Antigen Description	Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency.
specificity	The antibody detects endogenous level of total SOX2 protein.
Target	SOX2
Immunogen	Peptide sequence around aa.76~80 (G-A-E-W-K) derived from Human SOX2.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse
conjugation	N/A
Applications	WB

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	SOX2 SRY (sex determining region Y)-box 2 [Homo sapiens]
Official Symbol	SOX2
Synonyms	SOX2; SRY (sex determining region Y)-box 2; transcription factor SOX-2; transcription factor SOX2; SRY-related HMG-box gene 2; ANOP3; MCOPS3; MGC2413;
GeneID	6657
mRNA Refseq	NM_003106
Protein Refseq	NP_003097
MIM	184429
UniProt ID	P48431
Chromosome Location	3q26.3-q27
Pathway	Wnt Signaling Pathway and Pluripotency, organism-specific biosystem;
Function	DNA binding; DNA binding; miRNA binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding;