

## Product datasheet for **CF500046**

### SOX17 Mouse Monoclonal Antibody [Clone ID: OTI3H5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3H5
Applications:	IF, WB
Recommended Dilution:	WB 1:2500~5000, IF 1:100
Reactivity:	Human, Dog, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 177-414 of human SOX17 (NP_071899) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43.9 kDa
Gene Name:	SRY-box transcription factor 17
Database Link:	<a href="#">NP_071899</a> <a href="#">Entrez Gene 20671 MouseEntrez Gene 312936 RatEntrez Gene 486955 DogEntrez Gene 64321 Human Q9H6I2</a>



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**Background:**

SOX17 is a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. It may act as a transcriptional regulator after forming a protein complex with other proteins.

**Synonyms:**

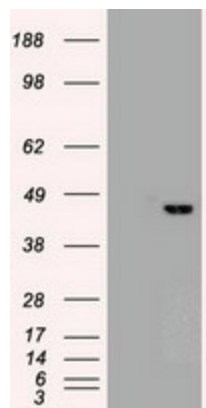
VUR3

**Protein Families:**

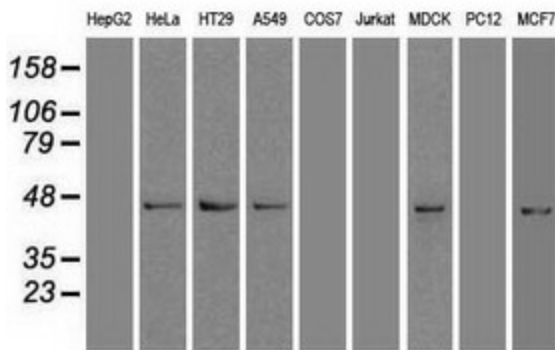
Transcription Factors

**Protein Pathways:**

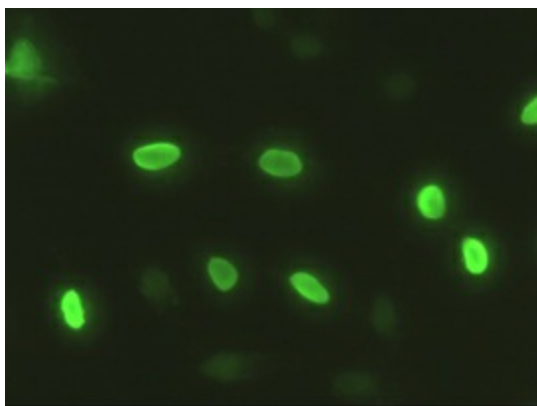
Wnt signaling pathway

**Product images:**


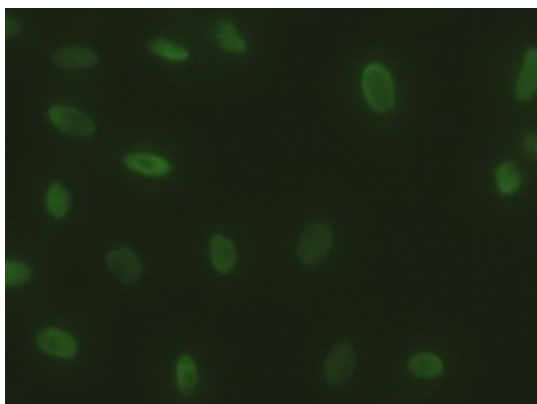
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SOX17 ([RC220888], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SOX17. Positive lysates [LY411669] (100ug) and [LC411669] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SOX17 monoclonal antibody.



Anti-SOX17 mouse monoclonal antibody ([TA500046]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SOX17 ([RC220888]).



Immunofluorescent staining of HeLa cells using anti-SOX17 mouse monoclonal antibody ([TA500046]).