

Tcf23 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI13235

Product Information

Application	WB
Primary Accession	Q9JLR5
Other Accession	NM_053085 , NP_444315
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22895

Additional Information

Gene ID	69852
Alias Symbol	2010002O16Rik, Out, bHLHa24
Other Names	Transcription factor 23, TCF-23, Basic helix-loop-helix transcription factor OUT, Ovary, uterus and testis protein, Tcf23, Out
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Tcf23 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Tcf23 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Tcf23
Synonyms	Out
Function	Inhibits E-box-mediated binding and transactivation of bHLH factors. Inhibitory effect is similar to that of ID proteins. Inhibits the formation of TCF3 and MYOD1 homodimers and heterodimers. Lacks DNA binding activity. May be involved in the regulation or modulation of smooth muscle contraction of the uterus during pregnancy and particularly around the time of delivery. Seems to play a role in the inhibition of myogenesis.
Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00981,

Tissue Location

Highly expressed in the uterus (predominantly in myometrium), ovary, and testis. Expression in the uterus is higher in the diestrus phase than in the estrus phase and reaches a maximum at 7.5 dpc. Expression declines towards the time of delivery and returns to the non-pregnant level 4 days after delivery. Low expression seen in lung, heart, intestine, and spleen.

References

Narumi O., et al. J. Biol. Chem. 275:3510-3521(2000).
Carninci P., et al. Science 309:1559-1563(2005).

Images



WB Suggested Anti-Tcf23 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Spleen

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.