

Product datasheet for **CF808379**

NOBOX Mouse Monoclonal Antibody [Clone ID: OTI4C5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4C5
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-271 of human NOBOX(NP_001073882) 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:	61.1 kDa
Gene Name:	NOBOX oogenesis homeobox
Database Link:	NP_001073882 Entrez Gene 135935 Human O60393



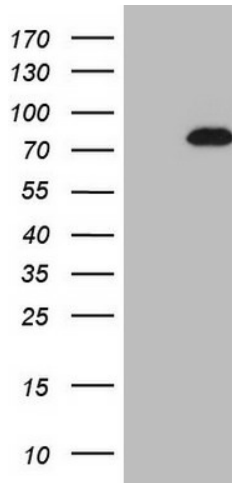
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Background:

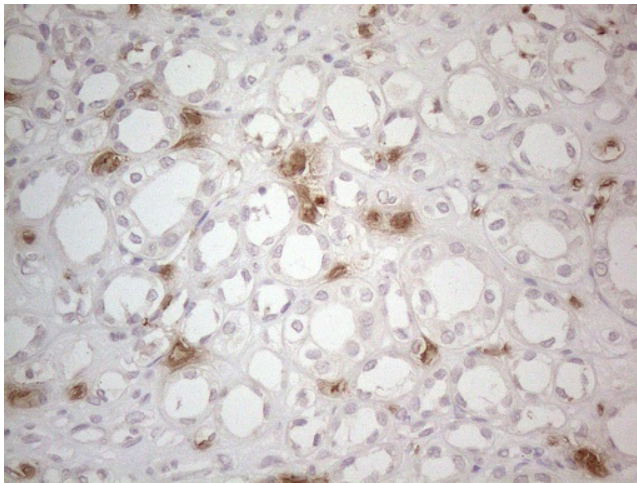
This homeobox gene encodes a transcription factor that is thought to play a role in oogenesis. In mice, it is essential for folliculogenesis and regulation of oocyte-specific genes. Defects in this gene result in premature ovarian failure type 5. [provided by RefSeq, May 2011]

Synonyms:

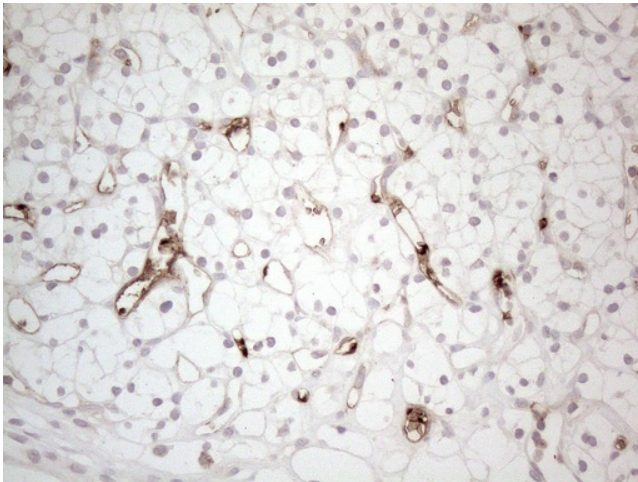
OG-2; OG2; OG2X; POF5; TCAG_12042

Product images:


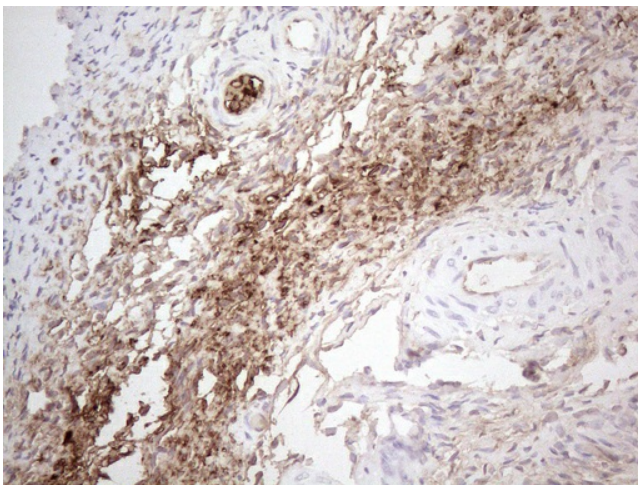
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NOBOX (Cat# [RC216621], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NOBOX (Cat# [TA808379])(1:2000). Positive lysates [LY421630] (100ug) and [LC421630] (20ug) can be purchased separately from OriGene.



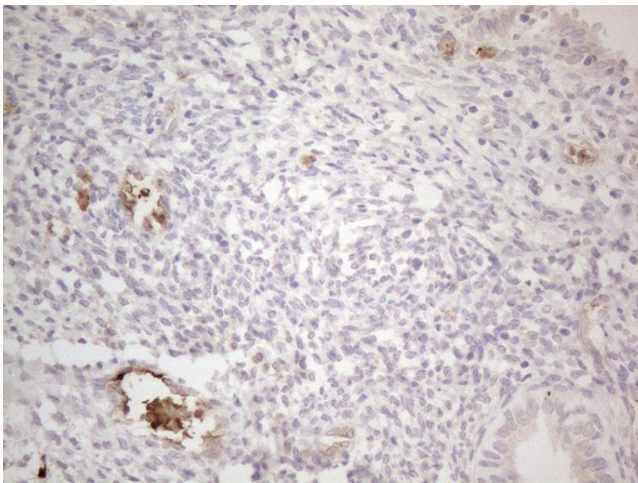
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-NOBOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808379]) (1:150)



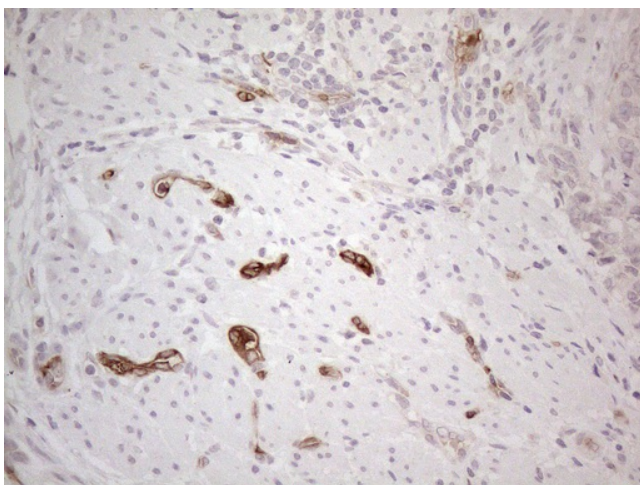
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-NOBOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808379]) (1:150)



Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-NOBOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808379]) (1:150)



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-NOBOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808379]) (1:150)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-NOBOX mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808379]) (1:150)