

Product datasheet for **CF809398**

DIRAS2 Mouse Monoclonal Antibody [Clone ID: OT18A5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OT18A5
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-196 of human DIRAS2(NP_060064) 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:	22.3 kDa
Gene Name:	DIRAS family GTPase 2
Database Link:	NP_060064 Entrez Gene 54769 Human Q96HU8



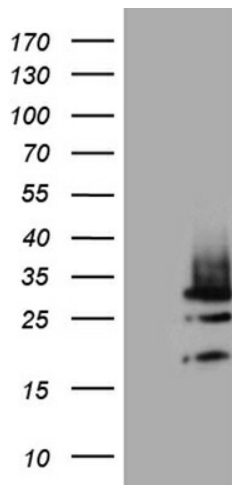
[View online »](#)

Background:

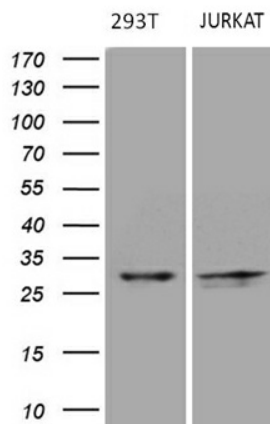
DIRAS2 belongs to a distinct branch of the functionally diverse Ras (see HRAS; MIM 190020) superfamily of monomeric GTPases. [supplied by OMIM, Apr 2004]. ##Evidence-Data-START## Transcript exon combination :: AK122986.1, BC008065.2 [ECO:0000332] RNAseq introns :: single sample supports all introns ERS025084, ERS025085 [ECO:0000348] ##Evidence-Data-END## COMPLETENESS: complete on the 3' end.

Synonyms:

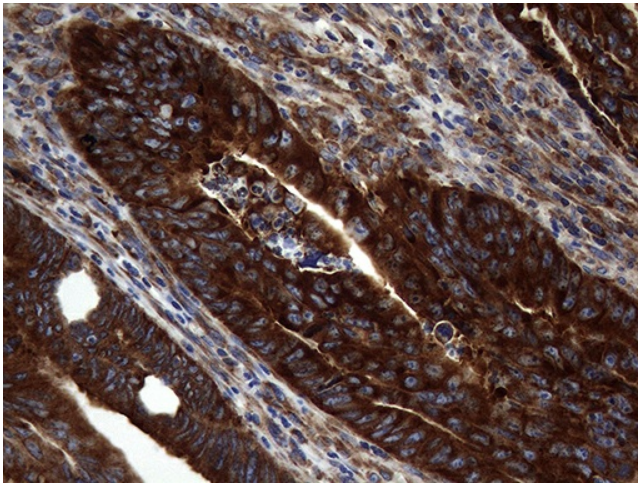
Di-Ras2

Product images:


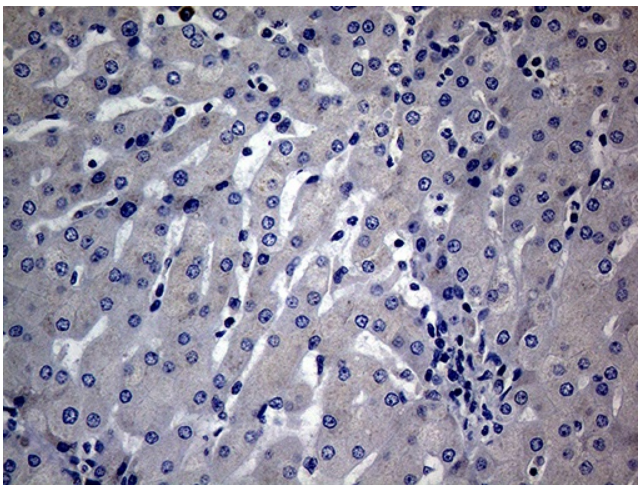
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DIRAS2 (Cat# [RC200740], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DIRAS2 (Cat# [TA809398])(1:2000). Positive lysates [LY413684] (100ug) and [LC413684] (20ug) can be purchased separately from OriGene.



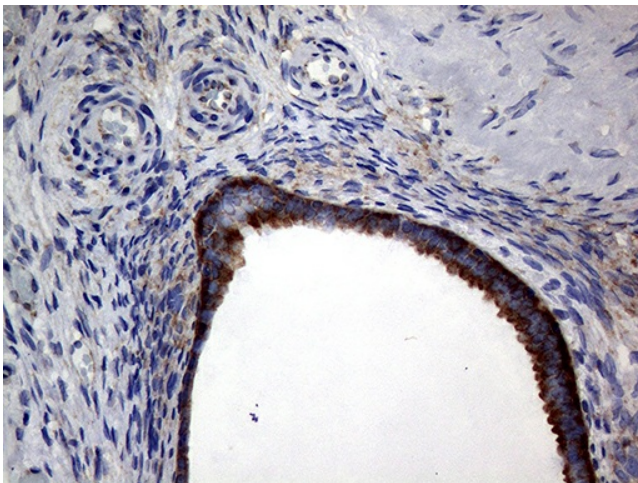
Western blot analysis of extracts (35ug) from 2 different cell lines by using anti-DIRAS2 monoclonal antibody (293T: human; Jurkat: human;) (1:500).



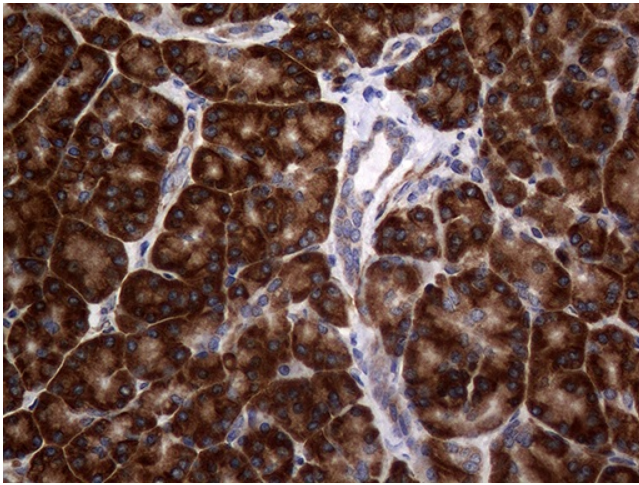
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-DIRAS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809398]) (1:150)



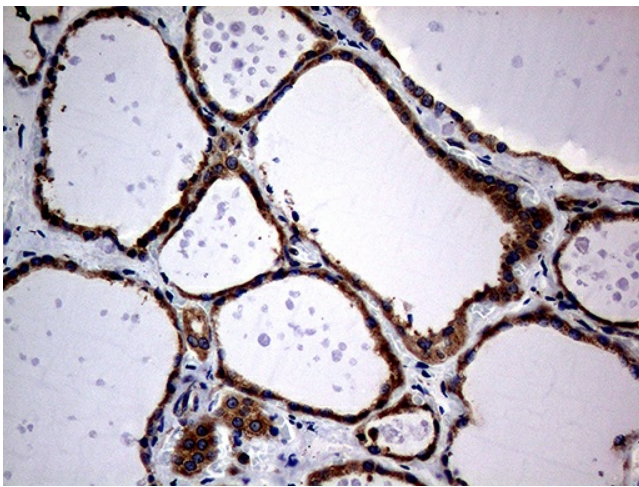
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-DIRAS2 mouse monoclonal antibody. This figure shows negative staining. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809398]) (1:150)



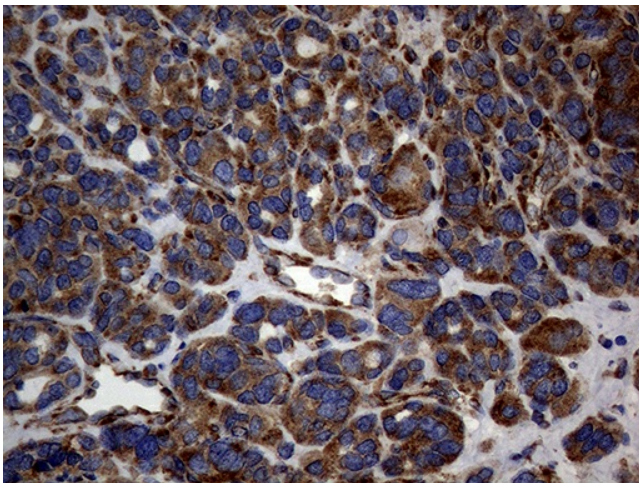
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-DIRAS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809398]) (1:150)



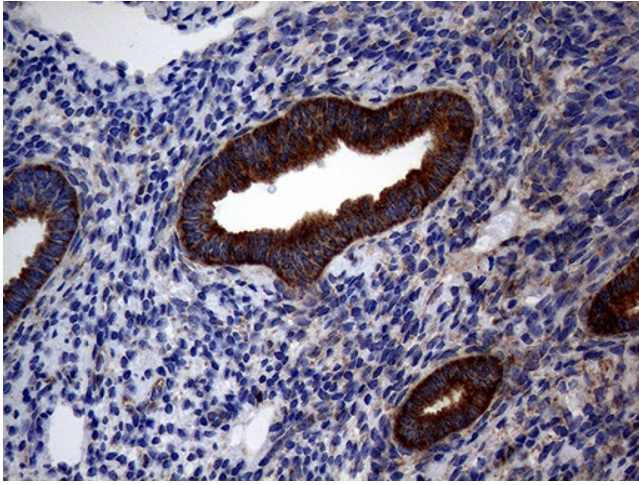
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-DIRAS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809398]) (1:150)



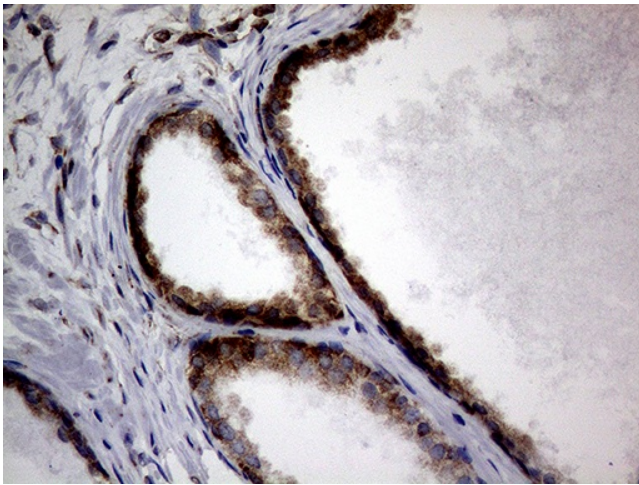
Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-DIRAS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809398]) (1:150)



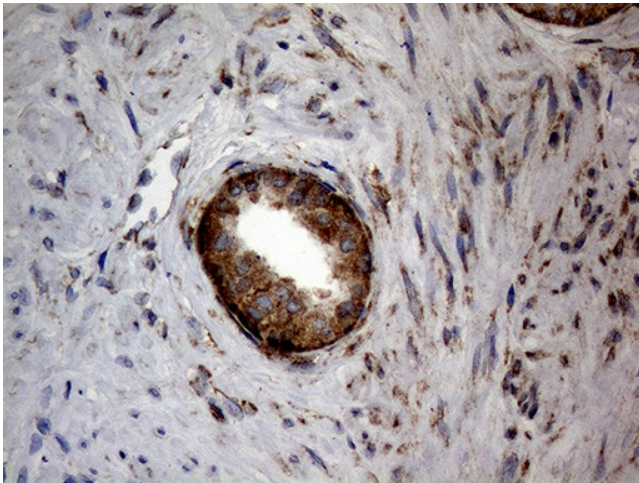
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-DIRAS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809398]) (1:150)



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-DIRAS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809398]) (1:150)



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-DIRAS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809398]) (1:150)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-DIRAS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809398]) (1:150)