

## Product datasheet for **CF811480**

### Peroxiredoxin 5 (PRDX5) Mouse Monoclonal Antibody [Clone ID: OTI3A1]

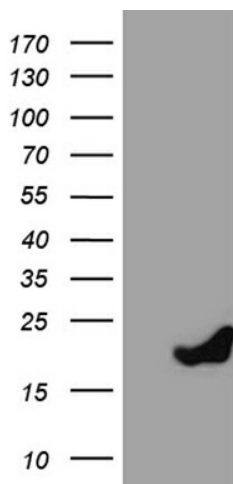
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3A1
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PRDX5 (NP_036226) produced in HEK293T cell.
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:	21.8 kDa
Gene Name:	peroxiredoxin 5
Database Link:	<a href="#">NP_036226</a> <a href="#">Entrez Gene 54683 Mouse</a> <a href="#">Entrez Gene 113898 Rat</a> <a href="#">Entrez Gene 25824 Human</a> <a href="#">P30044</a>
Synonyms:	ACR1; AOEB166; B166; HEL-S-55; PLP; PMP20; PRDX6; prx-V; PRXV; SBBI10
Protein Families:	Druggable Genome

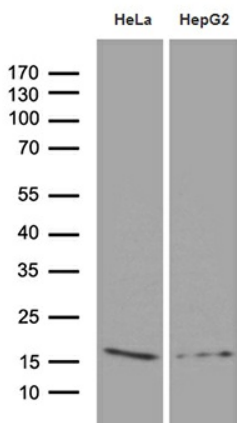


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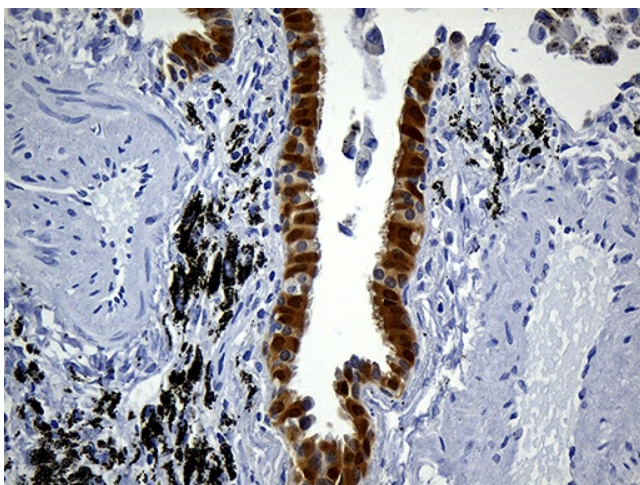
**Product images:**



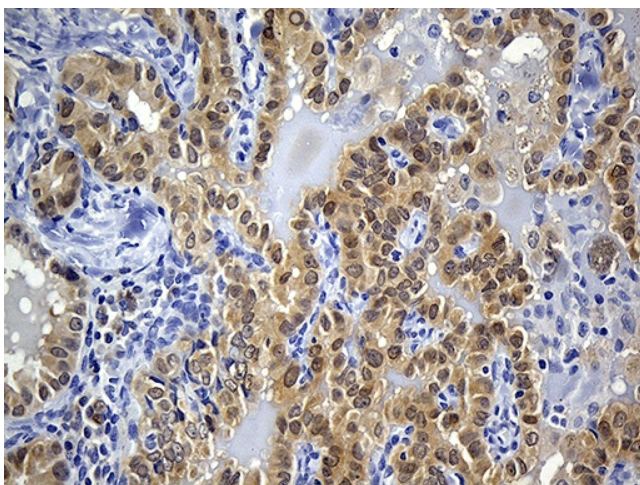
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PRDX5 ([RC210709], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PRDX5 (1:2000). Positive lysates [LY402144] (100ug) and [LC402144] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 2 different cell lines by using anti-PRDX5 monoclonal antibody (1:500).



Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-PRDX5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811480]) (1:150)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-PRDX5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811480]) (1:150)