

## Product datasheet for **CF500719**

### Prolactin (PRL) Mouse Monoclonal Antibody [Clone ID: OTI6B1]

#### Product data:

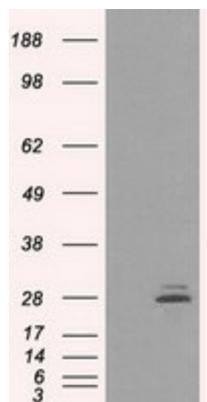
Product Type:	Primary Antibodies
Clone Name:	OTI6B1
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:1000, IHC 1:50, IF 1:50~100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PRL (NP_000939) produced in 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:	25.7 kDa
Gene Name:	prolactin
Database Link:	<a href="#">NP_000939</a> <a href="#">Entrez Gene 5617 Human P01236</a>
Synonyms:	GHA1
Protein Families:	Druggable Genome, Secreted Protein



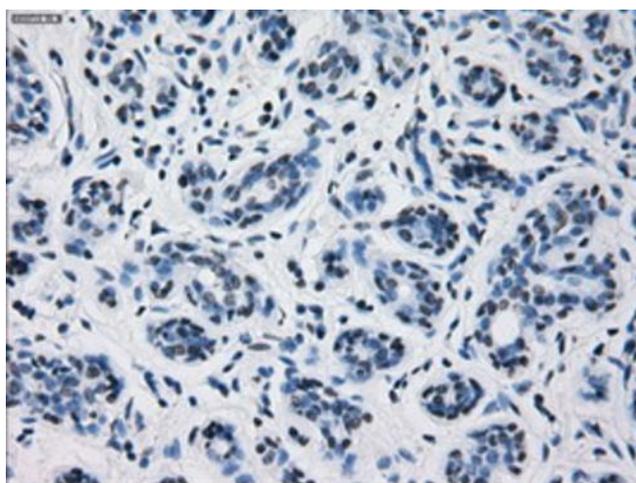
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**Protein Pathways:** Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Neuroactive ligand-receptor interaction

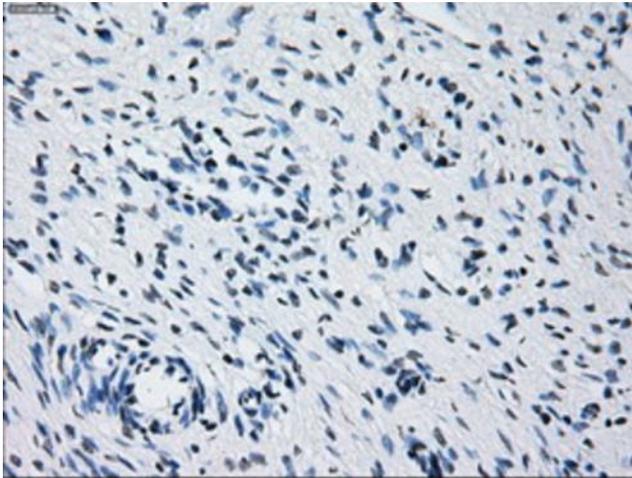
**Product images:**



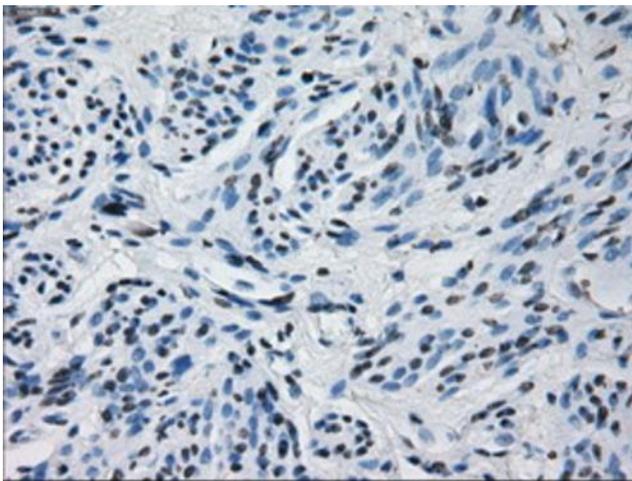
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PRL (Cat# [RC205627], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PRL (Cat# [TA500719]). Positive lysates [LY424443] (100ug) and [LC424443] (20ug) can be purchased separately from OriGene.



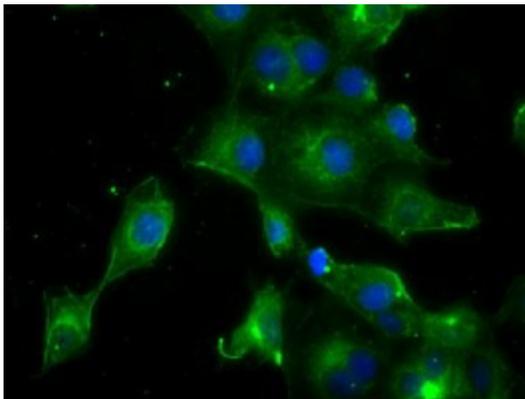
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-PRL mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



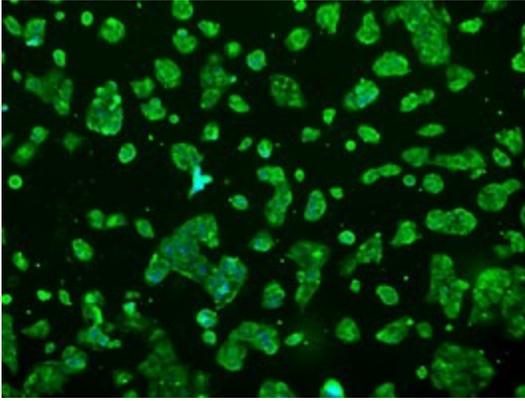
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-PRL mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



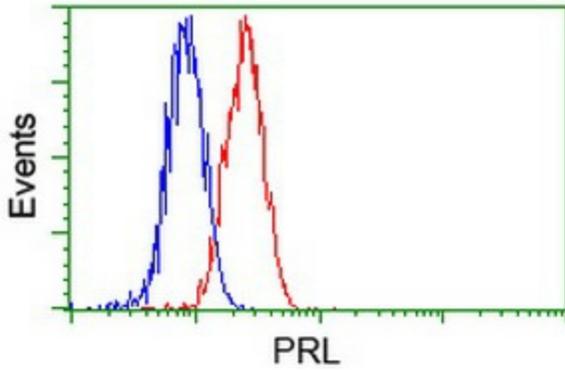
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-PRL mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



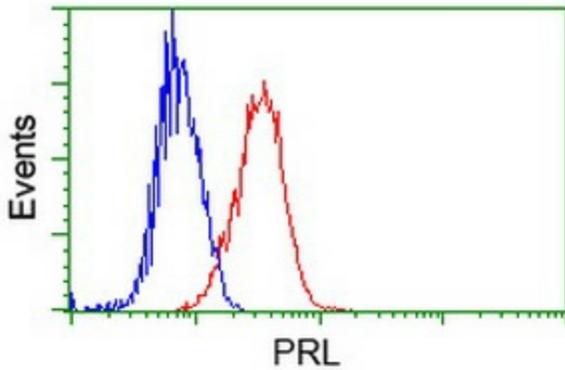
Anti-PRL mouse monoclonal antibody ([TA500719]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PRL ([RC205627]).



Immunofluorescent staining of HepG2 cells using anti-PRL mouse monoclonal antibody ([TA500719]).



Flow cytometric Analysis of HeLa cells, using anti-PRL antibody ([TA500719]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-PRL antibody ([TA500719]), (Red), compared to a nonspecific negative control antibody, (Blue).