10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PIBF Rabbit pAb

Catalog # AP96935

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8WXW3
Other Accession	Q8WXW3
Host	Rabbit
Clonality	Polyclonal
Calculated MW	89805
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PIBF
Epitope Specificity	551-650/756
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C13orf24 is also known as Progesterone-induced-blocking factor 1 (PIBF1). PIBF1 is synthesized by lymphocytes of healthy pregnant women in the presence of progesterone and inhibits arachidonic acid release, by acting on the phospholipase A2 enzyme, inducing a Th2 biased immune response. It also controls NK activity, and modifies the cytokine balance exerting an anti-abortive effect.

Additional Information

Gene ID	10464
Other Names	C13orf24; CEP90; JBTS33; PIBF; RGD1305077; PIBF1_HUMAN; PIBF1; Centrosomal protein of 90 kDa (CEP90); progesterone immunomodulatory binding factor 1; chromosome 13 open reading frame 24; progesterone-induced blocking factor 1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PIBF1
Synonyms	C13orf24, PIBF

Function	Plays a role in ciliogenesis.
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm. Secreted Note=In progesterone-treated astrocytoma cells a 57 kDa protein and isoform 1 (90 kDa) have been described, both being located in the intracellular medium and secreted. Respective predominant forms are isoform 1 in the intracellular and the 57 kDa protein in the extracellular medium (PubMed:25218441). [Isoform 4]: Secreted Note=Secreted by progesterone-treated lymphocytes (PubMed:14634107)
Tissue Location	Expressed at highest levels in testis. Moderate expression is detected in spleen, thymus, prostate, ovary, small intestine, and colon (PubMed:11935316). Expressed in the first trimester pregnancy decidua (PubMed:12516630). Localized to extravillous cytotrophoblast (at protein level). Also found in syncytiotrophoblast and part of the villous cytotrophoblast. Isoform 1 is expressed in first trimester and term villous trophoblast; trophoblast cells can additionally express other isoforms (PubMed:18817979). Overexpressed in solid tumors from stomach and uterus and in cells from ovary, cervical, breast, lymphoma and leukemia cancer (PubMed:25218441).

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