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PIBF1 Rabbit pAb

Catalog # AP97863

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WXW3
Other Accession	Q8WXW3
Reactivity	Rat, Human
Predicted	Mouse, Rabbit, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	89805
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PIBF1/C13orf24
Epitope Specificity	551-651/757
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	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=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'.