

PIBF1 Rabbit pAb

CatalogNo: YN6503

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB

MW

- 83kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human PIBF1

Specificity This antibody detects endogenous levels of PIBF1 at Human

Target Information

Gene name PIBF1 C13orf24 PIBF

Protein Name	Progesterone-induced-blocking factor 1		
	Organism	Gene ID	UniProt ID
	Human	10464 ;	Q8WXW3 ;
Cellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm . Secreted . 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 1]: Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite . Secreted . Localizes to centriolar satellites throughout the cell cycle. . ; [Isoform 4]: Secreted . Secreted by progesterone-treated lymphocytes (PubMed:14634107). .		
Tissue specificity	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).		
Function	Plays a role in ciliogenesis. . ; [Isoform 1]: Pericentriolar protein required to maintain mitotic spindle pole integrity . Required for the centrosomal accumulation of PCM1 and the recruitment of centriolar satellite proteins such as BBS4. Via association with PCM1 may be involved in primary cilia formation . Required for CEP63 centrosomal localization and its interaction with WDR62. Together with CEP63 promotes centriole duplication. Promotes the centrosomal localization of CDK2 . ; [Isoform 4]: The secreted form is a mediator of progesterone that by acting on the phospholipase A2 enzyme interferes with arachidonic acid metabolism, induces a Th2 biased immune response, and by controlling decidual natural killer cells (NK) activity exerts an anti-abortion effect . Increases the production of Th2-type cytokines by signaling via the JAK/STAT pathway. Activates STAT6 and inhibits STAT4 phosphorylation. Signaling via a not identified receptor seems to implicate IL4R and a GPI-anchored protein .		

Validation Data

Contact information

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