

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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