Rabbit anti-Mouse PDGF alpha receptor/PDGFRA Polyclonal Antibody | anti-PDGF antibody

Anti-PDGF alpha receptor/PDGFRA Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259142	**Rabbit**	**Mouse**	**Immunohistochemistry, ELISA**

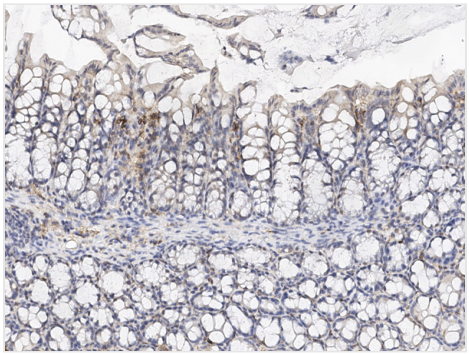
PRODUCT SYNONYMS

PDGF alpha receptor/PDGFRA; Polyclonal Antibody; Anti-PDGF alpha receptor/PDGFRA Antibody; Rabbit Polyclonal; platelet-derived growth factor receptor; alpha polypeptide; Anti-AI115593 Antibody; Anti-CD140a Antibody; Anti-Pdgfr-2 Antibody; anti-PDGF antibody

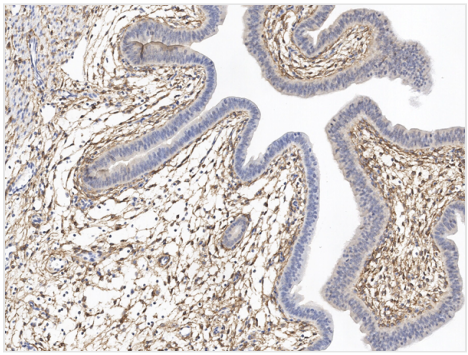
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse PDGF alpha receptor/PDGFRA
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PDGF antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Mouse PDGFRA Protein
Preparation	Produced in rabbits immunized with purified, recombinant Mouse PDGFRA (rM PDGFRA). PDGFRA specific IgG was purified by Mouse PDGFRA affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze !

IMAGES



IHC (Immunohiostchemistry)
Immunochemical staining of Mouse PDGFRA in Mouse large intestine with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of Mouse PDGFRA in Mouse uterus with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PDGF antibody	PDGFRA, also known as CD140a, together with the structurally homolog protein PDGFRB (CD140b), are cell surface receptors for members of the platelet-derived growth factor family. They are members of the class III subfamily of receptor tyrosine kinase (RTKs) with the similar structure characteristics of five immunoglobulin-like domains in their extracellular region and a split kinase domain in their intracellular region. PDGFRA is expressed in oligodendrocyte progenitor cells and mesothelial cell, and binds all three ligand isoforms PDGF-AA, PDGF-BB and PDGF-AB with high affinity, whereas PDGFRB dose not bind PDGF-AA. PDGFRA plays an essential role in regulating proliferation, chemotaxis and migration of mesangial cells. Recent studies have indicated that PDGFRA acts as a critical mediator of signaling in testis organogenesis and Leydig cell differentiation, and in addition, particularly important for kidney development. Additionally, PDGFRA is involved in tumor angiogenesis and maintenance of the tumor microenvironment and has been implicated in development and metastasis of Hepatocellular carcinoma (HCC). PDGFRA may represent a potential therapeutic target in thymic tumours. PDGFRA gene amplification rather than gene mutation may be the underlying genetic mechanism driving PDGFRA overexpression in a portion of gliomas.
References	Oseini AM, et al. (2009) PDGFRalpha: a new therapeutic target in the treatment of hepatocellular carcinoma. Expert Opin Ther Targets. 13(4): 443-54. Meister M, et al. (2009) Expression and mutational status of PDGFR in thymic tumours. Anticancer Res. 29(10): 4057-61. Martinho O, et al. (2009) Expression, mutation and copy number analysis of platelet-derived growth factor receptor A (PDGFRA) and its ligand PDGFA in gliomas. Br J Cancer. 101(6): 973-82.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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