Datasheet for ABIN965510

anti-ADAM17 antibody (Isoform 1)

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Overview

Quantity:	0.1 mg
Target:	ADAM17
Binding Specificity:	Isoform 1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAM17 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human ADAM17 (a disintegrin and metalloproteinase domain 17 isoform 1 preproprotein)
Purification:	Purified by antigen-specific affinity chromatography.

Target Details

Target:	ADAM17
Alternative Name:	ADAM17 (ADAM17 Products)
Background:	The ADAM17 (a disintegrin and metalloprotease (ADAM) domain 17) is a member of the ADAM protein family. Members of this family are membraneanchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biologic processes involving

Target Details

	cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The ADAM17 functions as a tumor necrosis factor-alpha converting enzyme.It binds mitotic arrest deficient 2 protein and also plays a prominent role in the activation of the Notch signaling pathway.
Pathways:	Notch Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Response to Growth Hormone Stimulus

Application Details

Application Notes:	ELISA, Western blotting: 1µg/ml for 2hrs.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	This antibody is stored in PBS, 50% glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Publications

Product cited in:	Shao, Nadel: "Dual oxidase 1-dependent MUC5AC mucin expression in cultured human airway epithelial cells." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 102, Issue 3, pp. 767-72, (2005) (PubMed). Shao, Ueki, Nadel: "Tumor necrosis factor alpha-converting enzyme mediates MUC5AC mucin expression in cultured human airway epithelial cells." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 100, Issue 20, pp. 11618-23, (2003) (PubMed). Gschwind, Hart, Fischer, Ullrich: "TACE cleavage of proamphiregulin regulates GPCR-induced proliferation and motility of cancer cells." in: **The EMBO journal**, Vol. 22, Issue 10, pp. 2411-21, (2003) (PubMed).

