

ADAM17 Polyclonal Antibody

Catalog NumberPA5-27395

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Published species	Mouse, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	Recombinant fragment corresponding to a region within amino acids 668 and 824 of Human ADAM17	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
		Western Blot (WB)	1:500-1:3,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1.21 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 20% glycerol		
Contains	0.025% ProClin 300		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: HeLa, K562. Predicted reactivity: Mouse (89%), Rat (87%), Dog (89%), Pig (85%), Chicken (80%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

ADAM17 (disintegrin and metalloproteinase domain-containing protein 17) cleaves the membrane bound precursor of TNF-alpha to its mature soluble form. ADAM 17 is responsible for the proteolytic release of soluble JAM3 from endothelial cells surface and the proteolytic release of several other cell-surface proteins, including p75 TNF-receptor, interleukin receptor type II, p55 TNF-receptor, transforming growth factor-alpha, L-selectin, growth hormone receptor, MUC1, and the amyloid precursor protein. It acts as an activator of the Notch pathway by mediating cleavage of Notch and generating the membrane-associated intermediate fragment called Notch extracellular truncation (NEXT). Mutations in the gene can result in inflammatory skin and bowel disease, neonatal 1.

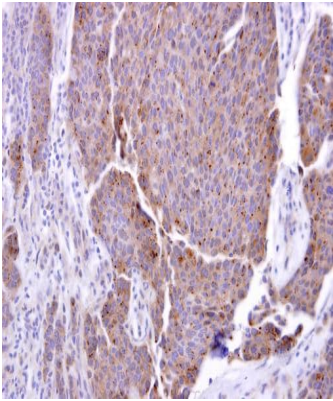
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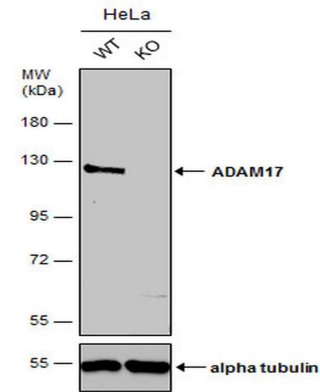
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Product Images For ADAM17 Polyclonal Antibody



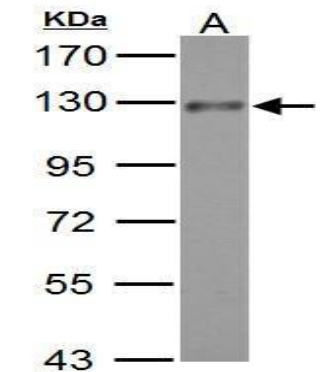
ADAM17 Antibody (PA5-27395) in IHC (P)

ADAM17 Polyclonal Antibody detects ADAM17 protein at cytosol on human breast carcinoma by immunohistochemical analysis. Sample: ADAM17 Polyclonal Antibody (Product # PA5-27395) dilution: 1:250. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



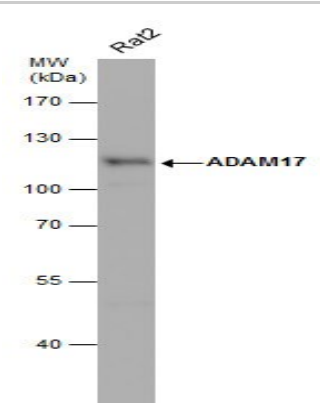
ADAM17 Antibody (PA5-27395)

Antibody specificity was demonstrated by Knocking out the target protein. ADAM17 knockout (KO) HeLa cell extracts shows decrease in signal intensity in western blot application using ADAM17 polyclonal antibody [C2C3], C-term (Product # PA5-27395). {KO}



ADAM17 Antibody (PA5-27395) in WB

ADAM17 Polyclonal Antibody detects ADAM17 protein by western blot analysis. A. 30 µg K562 whole cell lysate /extract .7.5% SDS-PAGE. ADAM17 Polyclonal Antibody (Product # PA5-27395) dilution: 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



ADAM17 Antibody (PA5-27395) in WB

Western Blot using ADAM17 Polyclonal Antibody (Product # PA5-27395). Whole cell extract (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with ADAM17 Polyclonal Antibody (Product # PA5-27395) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

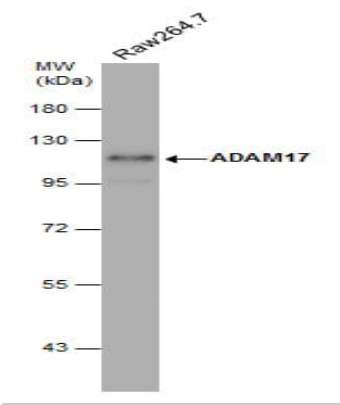
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ADAM17 Antibody (PA5-27395) in WB

Western Blot using ADAM17 Polyclonal Antibody (Product # PA5-27395). Whole cell extract (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with ADAM17 Polyclonal Antibody (Product # PA5-27395) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



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