

Rabbit Anti-ADAM8/CD156 Polyclonal: RC0041, RC0041RTU7

Intended Use: For Research Use Only

Description: ADAM (a disintegrin and metalloprotease) proteins are a family of over 30 membrane-anchored, glycosylated, Zn²⁺ dependent proteases that are involved in cell-cell, cell-matrix interface related processes including fertilization, muscle fusion, secretion of TNF α and modulation of the neurogenic function of Notch and Delta. ADAM proteins possess a signal-domain, a pro-domain, a metalloprotease domain, a disintegrin domain (Integrin ligand), a cysteine-rich region, an epidermal growth factor-like domain, a transmembrane domain and a cytoplasmic tail. ADAMs are expressed in brain, testis, epididymis, ovary, breast, placenta, liver, heart, lung, bone and muscle, and catalyze proteolysis, adhesion, fusion, and intracellular signaling. ADAM 8 (CD156, MS2) is a 824 amino acid protein that contains a 16 amino acid signal peptide, a 637 amino acid extracellular region, a 25 amino acid transmembrane region and a 146 amino acid cytoplasmic region which possesses a cytoplasmic consensus Src homology 3 (SH3)-binding domain.

Specifications

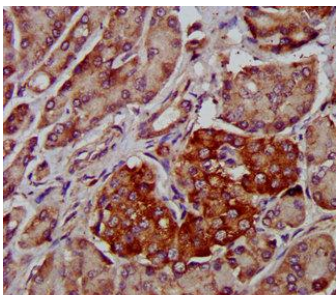
| | |
|---------------|--|
| Clone: | Polyclonal |
| Source: | Rabbit |
| Isotype: | IgG |
| Reactivity: | Human, mouse |
| Immunogen: | Recombinant human ADAM8 protein |
| Localization: | Membrane |
| Formulation: | Antibody in PBS pH 7.4, containing BSA and \leq 0.09% sodium azide (NaN ₃) |
| Storage: | Store at 2°- 8°C |
| Applications: | IHC, ICC/IF, WB |
| Package: | |

| Description | Catalog No. | Size |
|-------------------------------------|-------------|------|
| ADAM8/CD156 Polyclonal Concentrated | RC0041 | 1 ml |
| ADAM8/CD156 Polyclonal Prediluted | RC0041RTU7 | 7 ml |

IHC Procedure*

| | |
|---------------------------|--|
| Positive Control Tissue: | Lymph node, pancreatic tissue, colon, breast cancer |
| Concentrated Dilution: | 10-100 |
| Pretreatment: | Tris EDTA pH 9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C |
| Incubation Time and Temp: | Overnight @ 4°C |
| Detection: | Refer to the detection system manual |

* Result should be confirmed by an established diagnostic procedure.



FFPE human pancreatic tissue stained with anti-ADAM8 using DAB

References:

- Schreiter JS et al. Effects of non-vascularized adipose tissue transplantation on its genetic profile. Adipocyte 10:131-141, 2021.
- The metalloproteinase ADAM8 promotes leukocyte recruitment in vitro and in acute lung inflammation. Daniela Dreymueller, et al. Am J Physiol Lung Cell Mol Physiol. Sep 1;313(3):L602-L614, 2017.