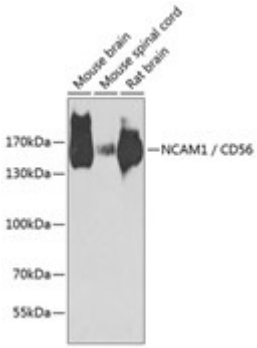
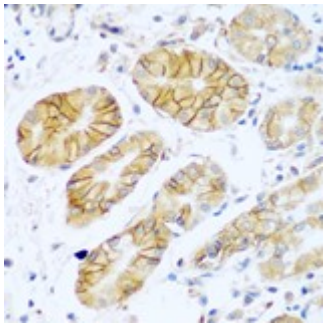
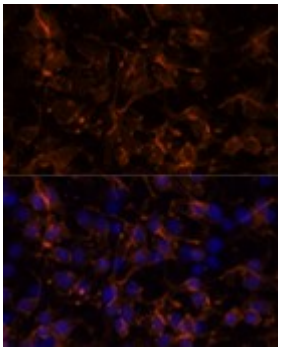
Product name:	CD56 (N-CAM) Rabbit Polyclonal Antibody
Cat number:	AB-90239
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 759-858 of human NCAM1 / CD56.
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 - 1:1000 Immunohistochemistry(paraffin-embedded tissues): 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200 Immunocytochemistry: 1:50 - 1:200
Molecular Weight:	120-220kDa
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	PBS with 0.09% Sodium azide,50% glycerol,pH7.3.
Storage:	At + 4°C for short term storage and at -20°C for longer time. Avoid Freeze and Thaw cycles.
Background:	NCAM is a membrane-bound glycoprotein that plays a role in cell-cell and cell-matrix adhesion through both its homophilic and heterophilic binding activity. The neural cell adhesion molecule appears on early embryonic cells and is important in the formation of cell collectives and their boundaries at sites of morphogenesis. Later in development it is found on various differentiated tissues and is a major CAM mediating adhesion among neurons and between neurons and muscle. NCAM gene is mapped to 11q23. The neural cell adhesion molecule (NCAM) can influence a number of diverse intercellular events, including junctional communication, the association of axons with pathways and targets, and signals that alter levels of neurotransmitter enzymes.



Western blot analysis of extracts of various cell lines, using NCAM1/CD56 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10,000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Pico Kit Exposure time: 90s



Immunohistochemistry of paraffin-embedded human stomach using NCAM1 / CD56 antibody at dilution of 1:100



Immunofluorescence analysis of C6 cells using NCAM1 / CD56 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.