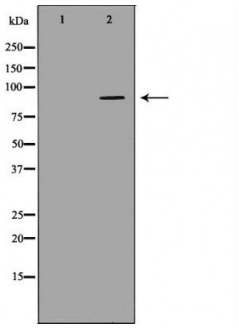
ADAMTS4 Antibody

#24161

Catalog Number: 24161-1, 24161-2
Amount: 50μg/50μl, 100μg/100μl
Swiss-Prot No. :O75173
Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.
Storage/Stability: Store at -20℃/1 year
Immunogen: The antiserum was produced against synthesized peptide derived from Human ADAMTS4
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity/Sensitivity: ADAMTS4 antibody detects endogenous levels of total ADAMTS4 protein
Reactivity: Human,Mouse,Rat
Applications:
Predicted MW: 90kd WB:1:500~1:2000 IHC:1:50-200



Western blot analysis of extracts of various cell lines, using ADAMTS4 antibody.

Background :This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The enzyme encoded by this gene lacks a C-terminal TS motif. It is responsible for the degradation of aggrecan, a major proteoglycan of cartilage, and brevican, a brain-specific extracellular matrix protein. The cleavage of aggrecan and brevican suggests key roles of this enzyme in arthritic disease and in the central nervous system, potentially, in the progression of glioma.