Recombinant Carbonic Anhydrase VIII Antibody

Mouse Monoclonal Antibody [Clone rCA8/8835]

Catalog No	Format	Size
767-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
767-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
767-MSM7-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

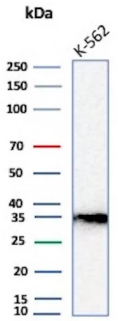
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

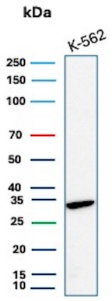
Clone	rCA8/8835
Immunogen	Recombinant full-length human Carbonic Anhydrase VIII protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	32.97kDa
Species Reactivity	Human
Positive Control	Human cerebellum. Selective expression in Purkinje cells. HEK-293 or K-562 cell lines. MCF7.

**Optimal dilution for a specific application should be determined.*

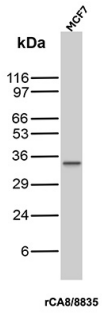
Product Images for Recombinant Carbonic Anhydrase VIII Antibody



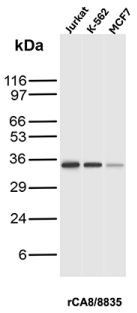
Western Blot Analysis of K-562 cell lysate using CA8 Mouse Recombinant Monoclonal Antibody (rCA8/8835).



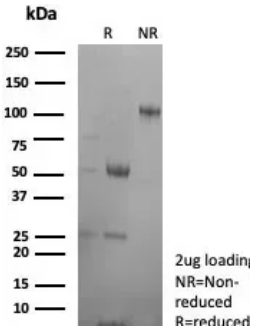
Western Blot Analysis of K-562 cell lysate using CA8 Mouse Recombinant Monoclonal Antibody (rCA8/8835).



Western Blot Analysis of MCF7 cell lysate using CA8 Mouse Recombinant Monoclonal Antibody (rCA8/8835).



Western blot analysis of Jurkat, K-562 and MCF-7 cell lysates using CA8 Recombinant Mouse Monoclonal Antibody (rCA8/8835).



SDS-PAGE Analysis of Purified CA8 Recombinant Mouse Monoclonal Antibody (rCA8/8835). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

The protein encoded by this gene was initially named CA-related protein because of sequence similarity to other known carbonic anhydrase genes. However, the gene product lacks carbonic anhydrase activity (i.e., the reversible hydration of carbon dioxide). The gene product continues to carry a carbonic anhydrase designation based on clear sequence identity to other members of the carbonic anhydrase gene family. The absence of CA8 gene transcription in the cerebellum of the lurcher mutant in mice with a neurologic defect suggests an important role for this acatalytic form. Mutations in CA8 gene causes neuropathology, such as ataxia, mild mental retardation and the predisposition to quadrupedal gait. It is also associated with the development of colorectal and lung cancers. Additionally, it is upregulated in various cancers.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.