

Recombinant Crystallin Alpha B / CRYAB (Marker of Metaplastic Carcinoma) Antibody

Mouse Monoclonal Antibody [Clone rG2JF]

Catalog No	Format	Size
1410-MSM23-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1410-MSM23-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1410-MSM23-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

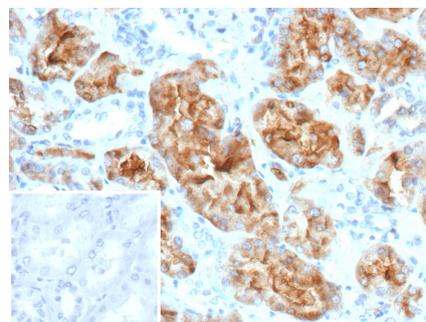
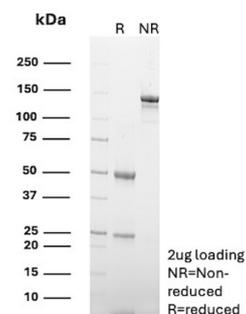
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	rG2JF
Gene Name	CRYAB
Immunogen	Synthetic peptide hemocyanin conjugate. The peptide corresponds to human alpha B crystallin amino acids 1 to 10.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	Predicted: 20kDa; Observed: 22-30kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human
Positive Control	Human heart, kidney or brain.

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant Crystallin Alpha B / CRYAB (Marker of Metaplastic Carcinoma) Antibody



SDS-PAGE Analysis of Purified Recombinant Alpha B-crystallin Mouse Monoclonal Antibody (rG2JF). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded human kidney stained with Recombinant Alpha B-crystallin Mouse Monoclonal Antibody (rG2JF). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Alpha B crystallin is a lens protein which has some homology with the small heat shock proteins. It is expressed in tissues such as skeletal muscle, cardiac muscle, smooth muscle, renal tubular epithelium, Schwann cells, glial cells, thyroid epithelium, colonic epithelium and stratified squamous epithelium. Alpha B crystallin is also reported to be found in ubiquitinated intermediate filament inclusion bodies, such as Lewy bodies (neurofilaments), Rosenthal fibres (glial filaments) and Mallory bodies (cytokeratins). Alpha B crystallin is rarely found in neurofibrillary tangles. The role of Alpha B crystallin in these inclusion bodies is unknown, however, it may function as an accessory protein for intermediate filament aggregation.

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.

Supplied As

200ug/ml of Ab produced in CHO cell 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.

Research Areas

Cardiovascular
