

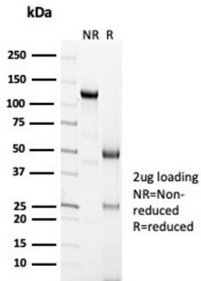
Anti-Calretinin Antibody [CALB2/7029R] (A278079)

Specifications:

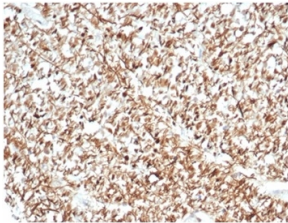
Name:	Anti-Calretinin Antibody [CALB2/7029R]
Description:	Recombinant rabbit monoclonal [CALB2/7029R] antibody to Calretinin.
Specificity:	It recognizes a protein of about 29kDa, which is identified as Calretinin (also known as Calbindin 2). Calretinin is a vitamin D-dependent calcium-binding protein involved in calcium signaling. It is present in subsets of neurons throughout the brain and spinal chord, including sensory ganglia. Antibody to calretinin is useful in differentiating mesothelioma from adenocarcinomas of the lung. It also aids in differentiating adrenal cortical neoplasms from pheochromocytomas.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 23-242, of human Calretinin. The exact sequence is proprietary.
Host:	Rabbit
Clonality:	Monoclonal
Clone ID:	CALB2/7029R
Isotype:	IgG
Conjugate:	Unconjugated
Purification:	Protein A chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Calretinin Antibody [CALB2/7029R] - BSA and Azide free (A278667).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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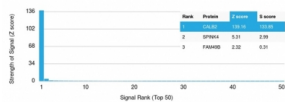
Images:



SDS-PAGE analysis of Anti-Calretinin Antibody [CALB2/7029R] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human brain tissue using Anti-Calretinin Antibody [CALB2/7029R].



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-Calretinin Antibody [CALB2/7029R]. Z-Score and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.