

Calretinin Ab-2 (Clone DAK Calret 1)

Mouse Monoclonal Antibody

Cat. #MS-1859-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml Supernatant)

Cat. #MS-1859-R7 (7.0ml) (Ready-to-Use for Immunohistochemistry)

Please note this data sheet has been changed effective December 12, 2011

Description: Calretinin is an intracellular calcium-binding protein belonging to the troponin C superfamily characterized by a structural motif described as the EF-hand domain. The immunohistochemical detection of calretinin in developing cerebellum is restricted to the later stages indicated by weak staining from week 21 of gestation, in Purkinje and basket cells and in neurons of the dentate nucleus. The intensity of staining increases as the cerebellum matures. In tumors, calretinin has been detected in mesotheliomas and some pulmonary adenocarcinomas.

Mol. Wt. of Antigen: 31.5kDa**Epitope:** Not determined**Species Reactivity:** Human. Others not-tested.**Clone Designation:** DAK Calret 1**Ig Isotype/Light Chain:** IgG₁ / κ**Immunogen:** Recombinant full length human calretinin protein cloned from Mero-41 cells.**Applications and Suggested Dilutions:**

- Immunohistology (Formalin/paraffin only)
(Use Ab at 1:10-1:20 for 30 min at RT)
- * [Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, (Lab Vision Cat. #AP-9003), for 10-20 min followed by cooling at RT for 20 min.]

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Mesothelioma**Cellular Localization:** Cytoplasmic**Supplied As:**

Tissue culture supernatant with 0.09% sodium azide,

or

Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

Storage and Stability:

Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

Key References:

1. Versnel M A, et al. (1989) Int J Cancer, 44:256-260.
2. Versnel M A, et al. (1989) Cancer Genet Cytogenet, 42:115-42.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Lab Vision is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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