

## Calretinin monoclonal antibody

Catalog: MB66148

Host: Mouse

Reactivity: Human

### BackGround:

Calretinin (29 kDa calbindin, calbindin 2) is a calcium-binding protein of the EF-hand family encoded by the CALB2 gene. It is differentially expressed from homologous family member calbindin-d28k in distinct neuronal populations of the retina, auditory system, and cerebellar granule cells, and acts as a marker for specific neuronal subsets of the subthalamic nucleus and the substantia nigra. Calretinin has been shown to play an important role in modulating neuronal excitability and the induction of long-term potentiation. Research has shown that, pathologically, Calretinin is a selective marker for epithelial mesothelioma, making it a diagnostic tool to differentiate from

### Product:

Mouse IgG1. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.

### Molecular Weight:

~ 31 kDa

### Swiss-Prot:

P22676

### Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC (1/100 - 1/300)

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of Calretinin protein.

### DATA:



Immunohistochemical analysis of Calretinin staining in human mesothelioma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

### Note:

For research use only, not for use in diagnostic procedure.

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