abcam

ab204990

Anti-Calretinin antibody [1F5H1]

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Full Length Protein corresponding to Human CALB2. Database link P22676
Clone number	1F5H1
Purification technique	Affinity purification Protein G
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from tissue culture supernatant.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1/200 - 1/400
Notes	-

Predicted

Species	Mouse, Rat, Cow
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/500 - 1/2000
Notes	-

Predicted

Species	Mouse, Rat, Cow
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/200 - 1/1000
Notes	-

Predicted

Species	Mouse, Rat, Cow
Dilution info	-
Notes	-

Target data

See full target information CALB2

Function	Calcium-binding protein involved in calcium homeostasis and signal transduction. It plays a critical role in buffering intracellular calcium levels and modulating calcium-dependent signaling pathways (PubMed:2001709). Predominantly expressed in specific neuronal populations, influences synaptic plasticity and neuronal excitability, contributing to learning and memory (By similarity). During embryonic development, it facilitates neuronal differentiation and maturation (By similarity).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

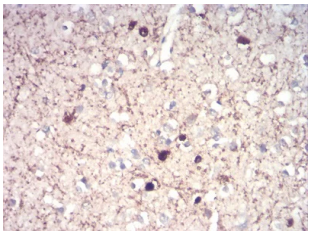
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

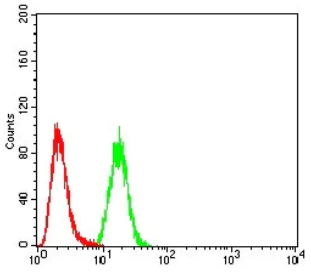
4 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calretinin antibody [1F5H1] (ab204990)

Calretinin Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-Calretinin antibody

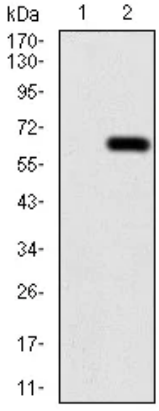
Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling Calretinin with ab204990 at 1/200 dilution with DAB staining.



Flow Cytometry - Anti-Calretinin antibody [1F5H1] (ab204990)

Calretinin Flow Cytometry staining using mouse Anti-Calretinin antibody

Flow cytometric analysis of A549 cells labeling Calretinin with ab204990 at 1/200 dilution (green), compared to a negative control (red).



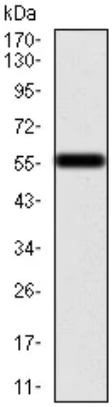
Western blot - Anti-Calretinin antibody [1F5H1] (ab204990)

All lanes:
Western blot - Anti-Calretinin antibody [1F5H1] (ab204990) at 1/500 dilution

Lane 1:
HEK293 cell lysate

Lane 2:
Calretinin (aa1-271)-hIgGFc transfected HEK293 cell lysate

Predicted band size: 31 kDa



Western blot - Anti-Calretinin antibody [1F5H1] (ab204990)

Expected MWt is 57.5 kDa.
All lanes:
Western blot - Anti-Calretinin antibody [1F5H1] (ab204990) at 1/500 dilution

All lanes:
Human Calretinin (aa1-271) recombinant protein

Predicted band size: 31 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.