

## Anti-Calretinin Antibody (4N784)

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 31 kDa.
Clone:	4N784
Purification:	ProA affinity purified

## Applications

Application:	IHC,WB
Recommended	WB: 1:500; IHC: 1:50-200

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P22676
Synonyms:	CALB 2;Calbindin D29K;Calbindin 2 29kDa;29 kDa calbindin;CALB2_HUMAN;Calbindin2;Calretinin;CAL 2;CALB2;CR;CAL2;Calbindin 2;CAB 29;CAB29

## Research Background

Calbindin D28K and Calretinin (also designated CR or 29 kDa Calbindin) are two closely related intracellular calcium-binding proteins belonging to the Troponin-C superfamily. Initially isolated from chick retina, Calretinin shares 58% identical residues with human Calbindin D28K. Calretinin is expressed in the brain and is particularly abundant in auditory neurons with precisely timed discharges. Neurons in the nucleus accumbens containing Calretinin all possess nuclear indentations. Calretinin-immunoreactive boutons form asymmetrical and symmetrical synaptic specializations on spines, dendrites and somata. The symmetrical synaptic specializations have medium-sized spiny neurons and contact other Calretinin-immunoreactive somata. Calretinin is widely used as a immunocytochemical marker for mesothelioma.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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