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PRODUCT DATASHEET

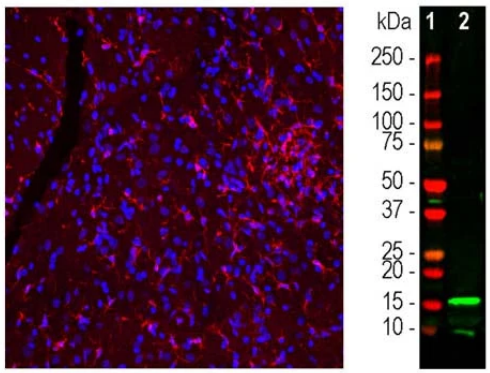
Anti-Ionized Calcium Binding Adapter Molecule 1 (IBA1) Antibody

Product Details

Available Variants	50 µL (SKU:C-2118-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY Fraction
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:5000-1:10000 IHC: 1:100-1:500 ICC: 1:100-1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	C-terminal peptide of human IBA1. The antibody has been made against the C-terminal peptide of human IBA1 coupled to keyhole limpet hemocyanin (KLH).
Specificity	Human. Species cross-reactivity includes rat and mouse.
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles. Store at 4°C for up to one month for short term storage and frequent use.
UniProt ID	P55008 UniProt Summary: Actin-binding protein that enhances membrane ruffling and RAC activation. Enhances the actin-bundling activity of LCP1. Binds calcium. Plays a role in RAC signaling and in phagocytosis. May play a role in

	macrophage activation and function. Promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes. Enhances lymphocyte migration. Plays a role in vascular inflammation.
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	199

Product Images



Left: Rat spinal cordsection stained with C-2118-50 (red) and nuclear DNA (DAPI stain, blue) by **Immunohistochemistry.**Microglia are visualized in a confocal Z stack as they are small cells spreading in three dimensions. **Right:**Western blot analysis of C-2118-50 (green, 1:1000) with a band at approx. 15kDa. Lane 1: protein standard (red); Lane 2: Rat spleen homogenate.