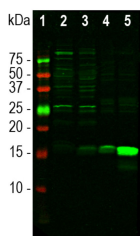
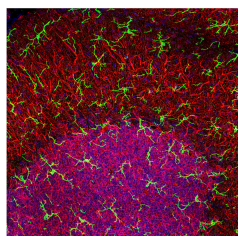


Rabbit antibody to human IBA1: affinity purified

Catalogue No.:	R-1817-50
Description:	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. Ref: uniprot.org
Batch No.:	See product label.
Unit size:	100 µg
Antigen:	C-terminal peptide of human IBA1 protein coupled to KLH.
Antibody Type:	Polyclonal
Other Names:	Allograft inflammatory factor 1; AIF-1; Ionized calcium-binding adapter molecule 1; Protein G1
Accession:	P55008 (AIF1_HUMAN)
Produced in:	Rabbit
Molecular Weight:	IBA1 is detected at ~15-17 kDa on western blot.
Purity:	Affinity purified
Applications:	Western blotting (1:1,000-1:5,000) and Immunohistochemistry (1:2,000-1:5,000). Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Reacts with human, rat, mouse.
Form:	Lyophilised from a solution containing PBS buffer pH 7.2-7.6 with 3% trehalose, without preservatives.
Reconstitution:	Spin vial briefly before opening. Reconstitute in 50 µL sterile water. Centrifuge to remove any insoluble material. Final buffer contains no preservatives.
Storage:	Store lyophilised antibody at 2-8°C. After reconstitution divide into aliquots and store at -20°C for long-term storage. Store at 2-8°C short-term (up to 4 weeks) with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles.
Expiry Date:	12 months after purchase if unopened.



Left: Visualization of microglia (green) with rabbit anti-IBA antibody (1:1,000) by Immunohistochemistry. Image represents high magnification Z-stacked confocal image of rat cerebellar molecular layer at top and granular layer below. Microglia in their "surveilling" state demonstrate a small cell soma with fine, elongated processes spreading in three dimension. Red: MAP2-immunoreactivity in processes of Purkinje cells and the perikarya of granule cells, revealed with chicken anti-MAP2 antibody C-1382-50 (1:5,000). Blue: Nuclear DNA stained with DAPI. Right: Western blot analysis of tissue homogenates using rabbit anti-IBA1 antibody (1:1,000). Lane 1: Molecular weight standard; Lane 2: mouse brain; Lane 3: rat brain; Lane 4: mouse spleen; Lane 5: rat spleen. IBA1 appears at ~15-17 kDa on the blot. IBA1 is a relatively minor protein of brain and is much more abundant in spleen, as evidenced by different band intensities. The other bands seen in the CNS homogenates are of

FOR RESEARCH USE ONLY



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unknown origin, but do not appear to compromise the microglia-specific staining seen with this antibody.

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