

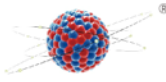
Anti-Iba1 Antibody

NH-R-36-62

Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Mouse, Human, Rat
Applications:	IF-Tissue Clearing
Clone number:	JM36-62

Description:	Ionized calcium-binding adapter molecule 1 (Iba1), also known as allograft inflammatory factor-1 (AIF-1), is a 147 amino acid cytoplasmic, calcium-binding protein that is thought to play a role in macrophage activation and function. Iba1, containing two EF domains, is induced by cytokines and interferons. In an unstimulated state, Iba1 colocalizes with actin, and upon stimulation, translocates to lamellipodia. It is also a marker of human microglia and is expressed by macrophages in injured skeletal muscle. The gene encoding Iba1 maps to chromosome 6p21.33 and resides in the tumor necrosis factor (TNF) cluster of genes located in the region represented by the human major histocompatibility complex (MHC).
Immunogen:	Synthetic peptide within N-terminal human Iba1.
Positive control:	Mouse brain tissue.
Subcellular location:	Cytoplasm, cytoskeleton, Cell projection, ruffle membrane, Cell projection, phagocytic cup.
Recommended Dilutions:	
IF-Tissue Clearing	1:50
Adaptive Clearing kit	Enhanced Tissue Clearing Kit (Cat#: NH-CR-230701)
Storage Buffer:	1* TBS (pH 7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Storage Instruction:	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Purity:	Protein A affinity purified





Images

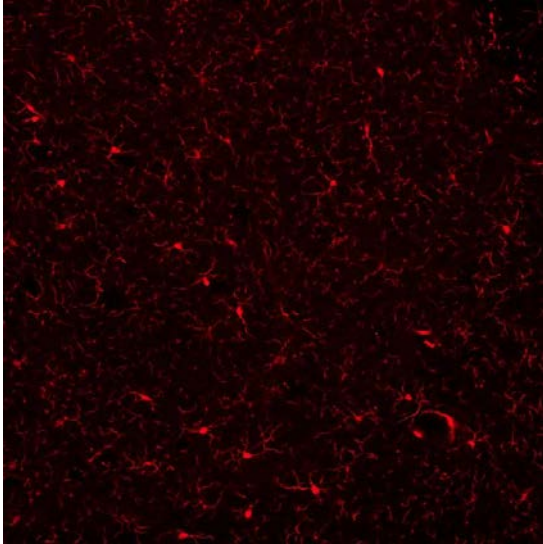


Fig1: Immunofluorescence analysis of fresh mouse brain tissue labeling Iba1 (NH-R-36-62) at 1/50 dilution.

The section was treated with Enhanced Tissue Clearing Kit (Cat#:NH-CR-230701), the tissues were blocked for 2 hours at 4°C, and then probed with the primary antibody (NH-R-36-62, 1/50) overnight at 4°C, washed with PBS. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) was used as the secondary antibody at 1/50 dilution. Image acquisition was performed with Zeiss 980.

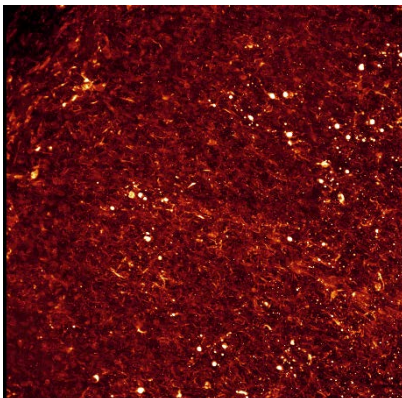


Fig2: Immunofluorescence analysis of fresh mouse brain tissue labeling Iba1 (NH-R-36-62) at 1/50 dilution

The brain of mouse was transparented with Enhanced Tissue Clearing Kit (Cat#:NH-CR-230701), the tissues were blocked for 4 hours at 4°C, and then probed with antibodies (NH-R-36-62) for 7 days at room temperature, and Fluor® 488-conjugated AffiniPure VHH Fragment Alpaca Anti-Rabbit IgG (H+L) was used as the secondary antibody. after washing with 10% PBST for 20 minutes, and then wash with 1x PBS for 3 times for 2 hours each time. Three dimensional imaging acquisition was performed with Nuohai LS18.

