

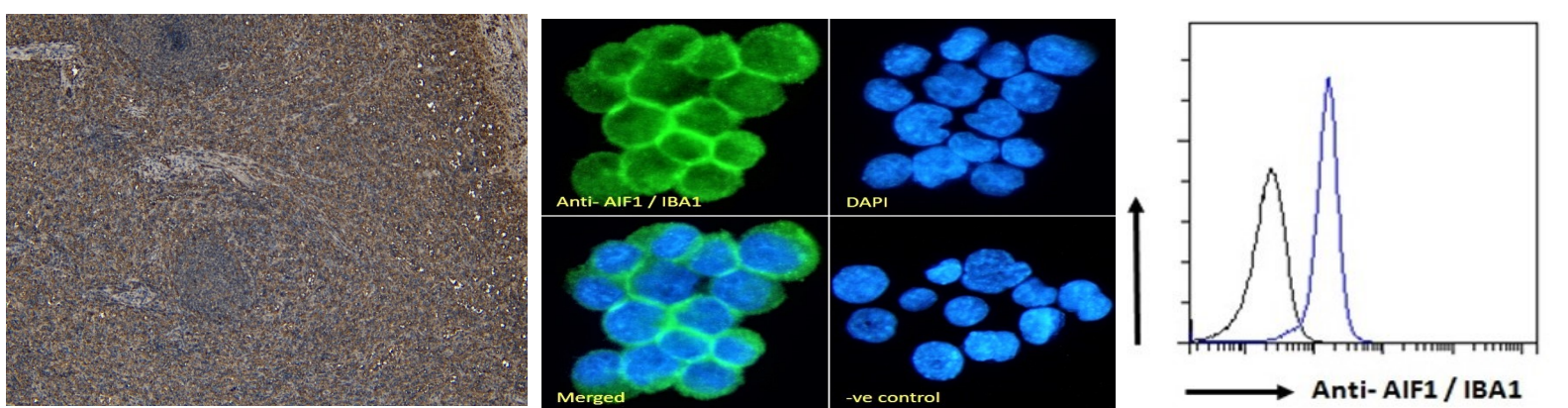
AIF-1/ Iba1

The Allograft inflammatory factor 1 (AIF1/Iba1) gene (GeneID: 199) is induced by cytokines including interferon-gamma (IFN-gamma). Its protein product contains 2 EF-hand motifs which bind Ca²⁺-ions, thus inducing a conformational change in the EF-hand motif, leading to the activation or inactivation of target proteins. This protein product also binds actin; enhancing membrane ruffling and RAC activation via the phospholipase C-gamma -dependent pathway.

AIF1 is expressed in monocytes and macrophages, and is involved in macrophage activation and phagocytosis in activated microglia. It promotes the proliferation of T-lymphocytes, enhances lymphocyte migration and plays a role in both vascular inflammation and RAC signalling. It also promotes the growth of vascular smooth muscle cells (VSMC), by activation of Rac1 and induction of Granulocyte-Colony Stimulating Factor (G-CSF) expression.

Three transcript variants encoding different isoforms have been found for this gene. Both our EB05419 and EB07257 antibodies recognizes isoform 1 (NP_116573.1: 10.5kDa) and isoform 3 (NP_001614.3: 16.7kDa).

Please view our AIF-1/Iba1 antibodies below:



EB05419 (8µg/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

EB07174 Immunofluorescence analysis of paraformaldehyde fixed U937 cells immobilized and permeabilized with 0.15% Triton.

EB07257 Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton.

Antibodies for AIF1/IBA1 Antibodies

Everest code	Principal name	Applications Tested	Species reactivity	Size available
EB05419	Goat Anti-AIF1/IBA1 isoform 1 and 3 Antibody	Pep-ELISA, WB, IHC	Human, Mouse, Rat, Pig	100µg/200µl
EB05419-B	Goat Anti-AIF1 / IBA1 (isoform 1 and 3), biotinylated Antibody	Pep-ELISA, WB	Human, Mouse, Rat, Pig	100µg/200µl
EB05419-H	Goat Anti-AIF1/IBA1 isoform 1 and 3 (Human reactivity only) Antibody	Pep-ELISA, WB	Human	100µg/200µl
EB05419-M	Goat Anti-AIF1/IBA1 isoform 1 and 3 (Mouse reactivity only) Antibody	Pep-ELISA, WB	Mouse	100µg/200µl
EB05419-R	Goat Anti-AIF1/IBA1 isoform 1 and 3 (Rat reactivity only) Antibody	Pep-ELISA, WB	Rat	100µg/200µl
EB07174	Goat Anti-AIF1 / IBA1 (isoform 3) Antibody	Pep-ELISA, FC, IF, IHC	Human, Mouse, Dog	100µg/200µl
EB07257	Goat Anti-AIF1 / IBA1 (isoforms 1 + 3) Antibody	Pep-ELISA, FC, IF, IHC	Human	100µg/200µl