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Built Around Immunology

Anti-Iba1 Rabbit mAb [46F91]

Catalog No.: A52179

Basic Information

Catalog No. (Cat.No.)	A52179
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Iba1,Iba-1,IBA1,GAREF,AIF-1

Product Information

Target	Iba1
Molecular Weight(Calculated)	17 kDa
Molecular Weight(Observed)	17 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	46F91
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:2000-1:4000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Ionized calcium-binding adapter molecule-1
Gene Name	*AIF1*
Domain	NA
Background	Iba1 (Ionized calcium-binding adapter molecule 1) is an EF-hand calcium-binding protein specifically expressed in microglia and macrophages. It senses calcium signals and regulates cytoskeleton rearrangement to mediate myeloid-cell migration, phagocytosis and immune activation. Iba1 expression increases upon microglial activation triggered by CNS injury or neuroinflammation, whereas resting microglia show low Iba1 signal.