

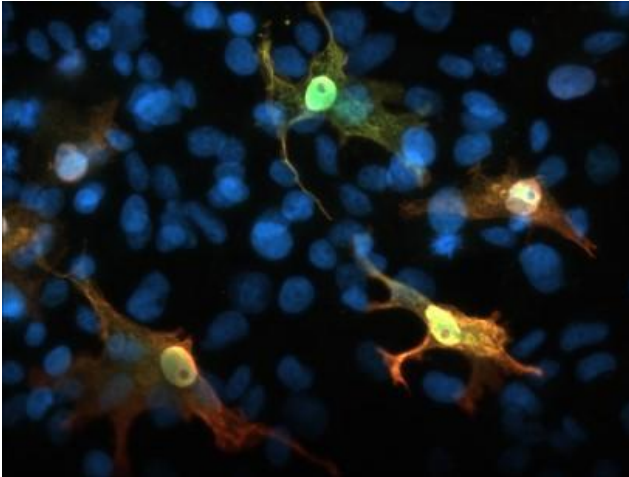


Catalog Number:	CH23107	Host:	Chicken
Product Type:	Chicken Polyclonal IgY	Species Reactivity:	Human, Rat, and Mouse
Immunogen Sequence:	Purified recombinant human full-length IBA1/AIF1 (Uniprot P55008) expressed in <i>E. Coli</i>	Format:	Purified antibody in phosphate-buffered (10 mM) isotonic (0.9% w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Applications:	Immunocytochemistry Western Blot		
	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
Storage:	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. Do not freeze these antibodies unless you want to store them for longer periods of time. Note, however, that each time an antibody preparation is frozen, about half of its binding activity is lost.		

Application Notes

Description/Data:

AIF1, allograft inflammatory factor-1, (also known as Iba1, Ionized calcium binding adaptor molecule 1) is a 17 kDa protein that is a pro-inflammatory molecule that mediates calcium signals. During inflammation, increased expression of AIF1 occurs in microglia, macrophages, T-cells, synoviocytes, and adipocytes. Expression of AIF-1 has been observed in healthy brains

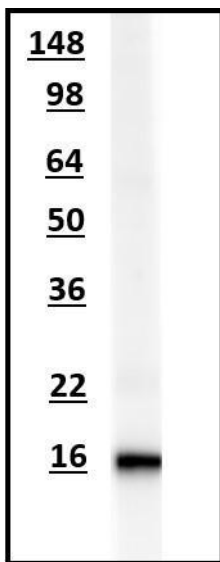


and varies throughout the day, gaining the highest expression in the prefrontal and parietal cortices when sleeping. Increased expression of AIF1 has been observed in several diseases including breast cancer, atherosclerosis, and rheumatoid arthritis.

Top Image: Immunofluorescence analysis of AIF1/IBA1-FLAG transfected COS-7 cells using chicken α -AIF1/IBA1 (green) and mouse α -flag tag (red). Yellow/orange staining shows 100% correspondence between the two antibodies for recognition of transfected cells. Blue staining is DAPI and stains nuclei of both transfected and untransfected cells.

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Bottom Image: Western blot of rat brain membrane lysate using chicken α -AIF1/IBA1 showing specific immunolabeling of endogenous AIF1/IBA1 at ~17kDa.

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