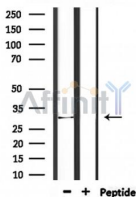


## IL1 alpha Ab

[References\(2\)](#) [Images\(2\)](#)

Cat.#: DF6893	Concn.: ~1mg/ml	Mol.Wt.: 31kDa
Size:	Source: Rabbit	Clonality: Polyclonal
Application:	WB 1:500-1:2000, IHC 1:50-1:200 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human,Mouse,Rat	
Storage:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).	
Immunogen:	A synthesized peptide derived from human IL1 alpha, corresponding to a region within N-terminal amino acids.	
Uniprot:	P01583	
Description:	IL-1 $\beta$ is a pro-inflammatory cytokine produced by activated monocytes, lymphocytes and epithelial cells . IL-1 $\beta$ is synthesized as an active precursor protein that appears to be cleaved by cytosolic proteases into its mature form (1,2). Often, precursor and mature forms of IL-1 $\beta$ are primarily retained intracellularly rather than constitutively secreted. (1,2). Signaling by IL-1 $\beta$ involves IL-1 $\beta$ binding to an IL-1 accessory protein (IL-1-AcP) and then the complex binds to IL-1RI (1,2). Signaling is through activation of MAP kinase and NF $\kappa$ B pathways (1,2). IL-1 $\beta$ also binds to an IL-RII that lacks an intracellular signaling domain and thereby serves as a high affinity decoy receptor. Inhibition of IL-1 $\beta$ activity is through IL-1R antagonist (IL-1Ra) that binds IL-1RI but does not signal.	



Western blot analysis of extracts from mouse brain, using IL1A Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.



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