# **Elabscience**®

# IL1 beta Polyclonal Antibody

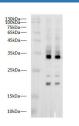
## catalog number: E-AB-40530

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Zebrafish
Immunogen	Recombinant Zebrafish IL 1ß protein expressed by E.coli
Host	Rabbit
Isotype	IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Buffer	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4
Applications	Recommended Dilution

Appreadons	Recommended Dirution
WB	1:1000-2000

#### Data



Western blot of Zebrafish whole lysates with anti-IL1 $\beta$ 

polyclonal antibody at dilution of 1:1000.

# Observed-MW:30 kDa, 20kDa, 18kDa

Calculated-MW:30 kDa

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the
	temperature recommended.

## Background

Interleukin-1 beta (IL1 beta or IL1B) also known as catabolin, is a member of the interleukin 1 cytokine family. IL1 is a pleiotropic cytokine. It is involved in the inflammatory response, cell growth, and tissue repair in the cortex. The IL1 superfamily consists of three members, IL1A (IL1 alpha), IL1B (IL1 beta), and IL1 receptor antagonist (IL1Ra). In clinical, it has been reported that Interleukin (IL)-1 may influence Th1 / Th2 immune responsiveness and has been implicated in the establishment of a successful pregnancy. Proinflammatory interleukin (IL)-1 gene polymorphisms associated with high levels of IL-1beta activity increase the risk for hypochlorhydria and distal gastric carcinoma. IL1B polymorphisms may be involved in susceptibility to SSc. Moreover, the IL2-384-Gallele may be a marker for the limited phenotype of systemic sclerosis (SSc).