

Datasheet for ABIN500016
anti-IL-34 antibody (N-Term)



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1 Image

Overview

Quantity:	0.1 mg
Target:	IL-34 (IL34)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-34 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	IL-34 antibody was raised against a 16 amino acid peptide from near the amino terminus of human IL-34.
Isotype:	IgG
Specificity:	This antibody reacts to IL-34.
Cross-Reactivity (Details):	Species reactivity (tested): Human brain tissue.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	IL-34 (IL34)
Alternative Name:	Interleukin-34 / IL34 (IL34 Products)

Target Details

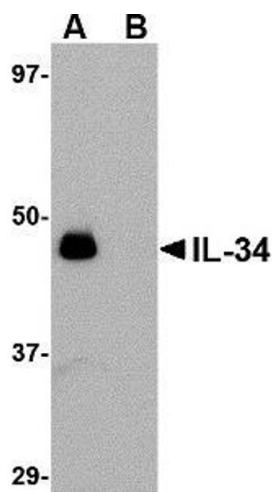
Background:	Interleukin-34 (IL-34) was identified through a functional screening of a library of secreted proteins after transfection of an embryonic kidney cell line with recombinant cDNAs. Flow cytometry and monocyte viability assays demonstrated increased survival and/or proliferation of monocytes induced by IL-34 and specific binding of IL-34 to CD14+ monocytes. IL-34 is a second ligand to the colony stimulating factor (CSF)-1 receptor in addition to CSF1. Like CSF1, IL-34 stimulates phosphorylation of ERK1 and ERK2 in human monocytes and induces differentiation of bone marrow cells into macrophages. Despite its predicted molecular weight, IL-34 will often run at higher molecular weight in SDS-PAGE.Synonyms: C16orf77, IL-34
Gene ID:	146433
UniProt:	Q6ZMJ4
Pathways:	RTK Signaling

Application Details

Application Notes:	ELISA. Western Blot: 0.25 - 0.5 µg/mL. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C



Western Blotting

Image 1. Western blot analysis of IL-34 in human brain tissue lysate with AP30428PU-N IL-34 antibody at 0.25 μ g/ml in (A) the absence and (B) the presence of blocking peptide.