

Datasheet for ABIN7118354 **anti-RBPJ antibody**



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Overview

Quantity:	100 µg
Target:	RBPJ
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RBPJ antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	recombination signal binding protein for immunoglobulin kappa J region
Clone:	2A10
Isotype:	IgG1
Purification:	Protein A+G purification
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	RBPJ
Alternative Name:	RBPJ (RBPJ Products)
Background:	Synonyms:IGKJRB, IGKJRB1, RBPJK, RBPSUH Background:Transcriptional regulator that plays a central role in Notch signaling, a signaling pathway involved in cell-cell communication that

Target Details

regulates a broad spectrum of cell-fate determinations. Acts as a transcriptional repressor when it is not associated with Notch proteins. When associated with some NICD product of Notch proteins(Notch intracellular domain), it acts as a transcriptional activator that activates transcription of Notch target genes. Probably represses or activates transcription via the recruitment of chromatin remodeling complexes containing histone deacetylase or histone acetylase proteins, respectively. Specifically binds to the immunoglobulin kappa-type J segment recombination signal sequence. Binds specifically to methylated DNA. Binds to the oxygen responsive element of COX4I2 and activates its transcription under hypoxia conditions(4 % oxygen)(PubMed:23303788).

Molecular Weight: 60 kDa

Gene ID: 3516

UniProt: [Q06330](#)

Pathways: [Notch Signaling](#), [Stem Cell Maintenance](#), [Smooth Muscle Cell Migration](#)

Application Details

Application Notes: WB: 1:500-1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months