

Product datasheet

Anti-RAI1 antibody ab58658

2 References

Overview

Product name	Anti-RAI1 antibody
Description	Rabbit polyclonal to RAI1
Host species	Rabbit
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Human
Immunogen	A synthetic peptide corresponding to N terminal residues of Human RAI1

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab58658** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 203 kDa.
ELISA		Use at an assay dependent concentration.

Target

Relevance

RAI1 (retinoid-acid induced protein 1) may be involved in neuronal differentiation. RAI1 is highly similar to its mouse counterpart and is expressed at high levels mainly in neuronal tissues. RAI1 has a polymorphic polyglutamine tract in its N-terminal domain. Expression of the mouse counterpart in neurons is induced by retinoic acid. The RAI1 gene is associated with both the severity of the phenotype and the response to medication in schizophrenic patients. Defects in RAI1 are a cause of Smith-Magenis syndrome (SMS). There are four named isoforms.

Cellular localization

Cytoplasmic and Nuclear. In neurons it is localized to neurites.

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