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Datasheet for ABIN1169390
anti-NOD1 antibody (AA 2-31)

1 Publication

Overview

Quantity:	50 µg
Target:	NOD1
Binding Specificity:	AA 2-31
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthetic peptide corresponding to aa 2-31 (E2EQGHSEMEIIPSESHPHIQLLKSNNRELLV31) of human Nod1.
Specificity:	Recognizes human Nod1.
Cross-Reactivity:	Human

Target Details

Target:	NOD1
Alternative Name:	Nod1 (NOD1 Products)
Background:	Nod (CARD4) is a cytosolic pattern recognition molecule (PRRs) of the NLR (NOD-like receptor) family. Nod1 is widely expressed by many cell types and is implicated in sensing meso-diaminopimelic acid (meso-DAP)-containing PGN fragments, which are present in most Gramnegative bacteria and certain Gram-positive ones, like the Bacillus species. Upon

Target Details

activation, Nod1 initiates a pro-inflammatory response through NF-kappa signaling and is a key receptors in epithelial cells where it controls infections via the gastrointestinal system. Mutations in Nod1 have been reported to confer susceptibility to several inflammatory disorders including inflammatory bowel disease, atopic eczema and asthma.

UniProt: [Q8BHB0](#)

Pathways: [Activation of Innate immune Response](#), [Positive Regulation of Endopeptidase Activity](#), [Toll-Like Receptors Cascades](#), [Inflammasome](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: In PBS containing 10 % glycerol and 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, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months

Publications

Product cited in: Ferrari, Palleschi, Bartoli, Polli, Armiraglio, Parafioriti, Croci, Tosi: "Management of intrathoracic phosphaturic mesenchymal tumor by nonintubated uniportal video-assisted thoracic surgery in a fragile patient." in: **Cancer reports (Hoboken, N.J.)**, Vol. 5, Issue 5, pp. e1500, (2022) ([PubMed](#)).