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# NOD1 Ab

References(1) Images(2)

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|---|---|---|
| Cat.#: DF6378 | Concn.: ~1mg/ml | Mol.Wt.: 108kDa |
| Size: | Source: Rabbit | Clonality: Polyclonal |

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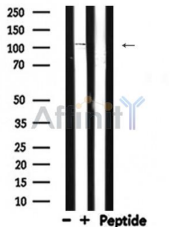
| Application: | WB 1:500-1:2000, IHC 1:50-1:200<br>*The optimal dilutions should be determined by the end user. |
| Reactivity: | Human,Mouse,Rat |
| Storage: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt. |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |
| Immunogen: | A synthesized peptide derived from human NOD1, corresponding to a region within C-terminal amino acids. |
| Uniprot: | Q9Y239 |
| Description: | Nod1/CARD4 is a cytosolic protein structually related to Apaf-1 and plant drug-resistance proteins that has been implicated in apoptosis and inflammatory responses to certain pathogenic bacteria (1-3). It contains an amino-terminal caspase recruitment domain (CARD) that is linked to a central nucleotide-binding domain (NBD; also known as a NOD domain) and is followed by carboxy-terminal leucine-rich repeats (LRR) . Like Apaf-1, Nod1 induces apoptosis by a CARD/NBD-dependent activation of caspase-9 . The primary function of Nod1 is thought to be as a sensor for certain pathogenic microbes and triggering inflammatory responses including the activation of NF-?B and JNK pathways (4-6). |




Western blot analysis of NOD1 expression in Rat brain lysates

*IMPORTANT:* For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.