

## Product datasheet

# Anti-NEDD4 antibody ab14592

★★★★☆ 5 Abreviews 20 References

### 製品の概要

製品名	Anti-NEDD4 antibody
製品の詳細	Rabbit polyclonal to NEDD4
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, ICC/IF
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Fusion protein: PVLLPTSSGL PPGWEEKQDD RGRSYYVDHN SKTTTWSKPT MQDDPRSKIP AHLRGKTPVD SNDLGPLP , corresponding to the WW2 domain, amino acids 395-462 of Rat NEDD4. <div style="text-align: right;"> <a href="#">Run BLAST with</a>      <a href="#">Run BLAST with</a> </div>
ポジティブ・コントロール	Mouse kidney, lung, and distal colon sections. Cytoplasmic extracts from mouse kidney cells.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium Azide Constituents: 30% Glycerol, 5mg/ml BSA, 0.15M Sodium Chloride, 0.1M Tris-glycine. pH 7.4
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab14592** in the following tested applications.

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

アプリケーション	Abreviews	特記事項
WB	★★★★☆	1/5000 - 1/20000. Detects a band of approximately 115 kDa. This antibody has been used to detected yeast ( <i>saccharomyces cerevisiae</i> ) Rsp-5 protein, a Nedd4 homologue. See Abreview.
ICC/IF	★★★★☆	Use at an assay dependent concentration. See Abreview.

## ターゲット情報

機能	E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Involved in the pathway leading to the degradation of VEGFR-2/KDFR, independently of its ubiquitin-ligase activity. Monoubiquitinates IGF1R at multiple sites, thus leading to receptor internalization and degradation in lysosomes. According to PubMed:18562292 the direct link between NEDD4 and PTEN regulation through polyubiquitination described in PubMed:17218260 is questionable. Involved in ubiquitination of ERBB4 intracellular domain E4ICD. Involved in the budding of many viruses. Part of a signaling complex composed of NEDD4, RAP2A and TNIK which regulates neuronal dendrite extension and arborization during development. Ubiquitinates TNK2 and regulates EGF-induced degradation of EGFR and TNF2.
パスウェイ	Protein modification; protein ubiquitination.
配列類似性	Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain. Contains 4 WW domains.
ドメイン	The WW domains mediate interaction with LITAF, RNF11, WBP1, WBP2, TMEPAI, NDFIP1 and PRRG2.
翻訳後修飾	Auto-ubiquitinated.
細胞内局在	Cytoplasm. Cell membrane. Recruited to the plasma membrane by GRB10. Once complexed with GRB10 and IGF1R, follows IGF1R internalization, remaining associated with early endosomes. Uncouples from IGF1R-containing endosomes before the sorting of the receptor to the lysosomal compartment (By similarity). May be recruited to exosomes by NDFIP1.

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