

## Product datasheet

# Anti-BDNF antibody ab24491

### 1 References

#### 製品の概要

製品名	Anti-BDNF antibody
製品の詳細	Sheep polyclonal to BDNF
由来種	Sheep
特異性	Less than 1% cross reactivity against mouse NGF, recombinant human NT3 or Neurotrophin 4.
アプリケーション	<b>適用あり:</b> IHC-FoFr, WB, ICC/IF, Inhibition Assay
種交差性	<b>交差種:</b> Rat, Human
免疫原	Recombinant full length protein (Human)
ポジティブ・コントロール	Brain tissue lysate
特記事項	Antibacterial agents may be required for short term storage. For BDNF, multiple WB bands are possible and expected. The human protein has 5 isoforms (precursors: 28 – 37 kDa) and can be glycosylated (Uniprot: <a href="http://www.uniprot.org/uniprot/P23560">http://www.uniprot.org/uniprot/P23560</a> ). The mature form is expected at ~14 kDa (monomer) and the dimer at ~28 kDa.

#### 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). Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: None Constituents: Whole serum
精製度	Whole antiserum
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 **ab24491** 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
IHC-FoFr		Use at an assay dependent concentration. PubMed: 21667226
WB		1/200 - 1/2000. Predicted molecular weight: 28 kDa.
ICC/IF		Use at an assay dependent dilution.
Inhibition Assay		1/10 - 1/50.

## ターゲット情報

機能	During development, promotes the survival and differentiation of selected neuronal populations of the peripheral and central nervous systems. Participates in axonal growth, pathfinding and in the modulation of dendritic growth and morphology. Major regulator of synaptic transmission and plasticity at adult synapses in many regions of the CNS. The versatility of BDNF is emphasized by its contribution to a range of adaptive neuronal responses including long-term potentiation (LTP), long-term depression (LTD), certain forms of short-term synaptic plasticity, as well as homeostatic regulation of intrinsic neuronal excitability.
組織特異性	Brain. Highly expressed in hippocampus, amygdala, cerebral cortex and cerebellum. Also expressed in heart, lung, skeletal muscle, testis, prostate and placenta.
関連疾患	Bulimia nervosa 2 Congenital central hypoventilation syndrome
配列類似性	Belongs to the NGF-beta family.
翻訳後修飾	The propeptide is N-glycosylated and glycosulfated. Converted into mature BDNF by plasmin (PLG).
細胞内局在	Secreted.

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