

## Anti-Presenilin 2/PSEN2 Antibody Picoband®

Catalog Number: PA1358

### About PSEN2

Presenilin-2 is a protein that in humans is encoded by the PSEN2 gene. Kovacs et al. (1996) demonstrated that the expression patterns of PS1 and PS2 in the brain are extremely similar to each other and that messages for both are primarily detectable in neuronal populations. Immunochemical analyses indicated that PS1 and PS2 are similar in size and localize to similar intracellular compartments (endoplasmic reticulum and Golgi complex). Li et al. (1997) demonstrated that wildtype PS1 and PS2 are localized to the nuclear membrane, its associated interphase kinetochores, and the centrosomes. In melanocytic cells PSEN2 gene expression may be regulated by MITF.

### Overview

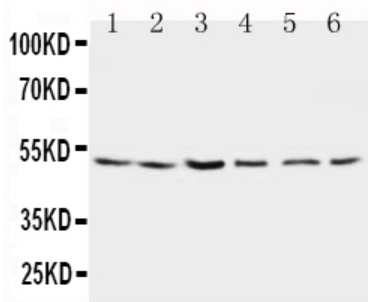
Product Name	Anti-Presenilin 2/PSEN2 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Presenilin 2/PSEN2 Antibody catalog # PA1358. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P49810

### Technical Details

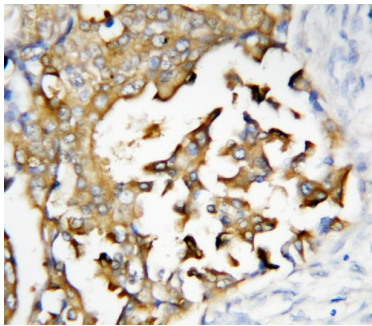
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Presenilin 2, different from the related mouse and rat sequences by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins

Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

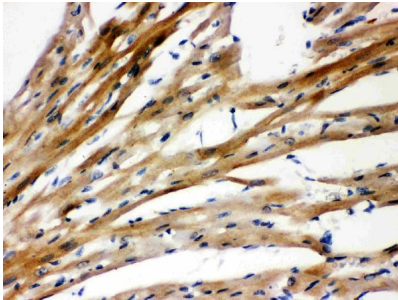
## Anti-Presenilin 2/PSEN2 Antibody Picoband® (PA1358) Images



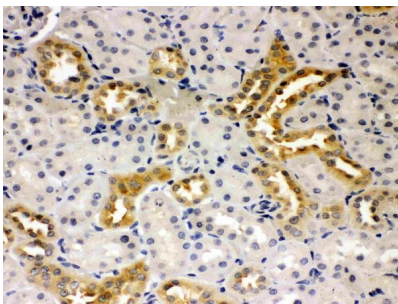
Anti-Presenilin 2 antibody, PA1358, Western blotting  
Lane 1: Rat Brain Tissue Lysate Lane 2: Rat Brain Tissue Lysate Lane  
3: MCF-7 Cell Lysate Lane 4: HELA Cell Lysate Lane 5: SMMC  
Cell Lysate Lane 6: CEM Cell Lysate



Anti-Presenilin 2 antibody, PA1358, IHC(P)IHC(P): Human  
Mammary Cancer Tissue



Anti-Presenilin 2 antibody, PA1358, IHC(P)IHC(P): Rat Cardiac  
Muscle Tissue



Anti-Presenilin 2 antibody, PA1358, IHC(P)IHC(P): Rat Kidney  
Tissue

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