## TMP21 Antibody

**Subcategory:** Rabbit Polyclonal Antibody
**Cat. No.:** 253678
**Unit:** 0.1 mg

**Description:**
TMP21 is a ubiquitously expressed protein that is involved in vesicular targeting and protein transport. More recent experiments have shown that it is also a component in the presenilin complex and modulates the gamma-secretase but not the epsilon-secretase cleavage activity of the amyloid precursor protein. The presenilin complex is composed of the proteins APH1, nicastrin, and PEN2 in addition to presenilin-1. Together, these proteins cleave the amyloid precursor protein at what is known as the gamma- and epsilon-sites and can lead to the accumulation of the Abeta cleavage product that is associated with Alzheimer?s disease. Co-immunoprecipitation experiments using antibodies against these proteins also yielded TMP21 indicating that TMP21 may play a role in the regulation of this complex. Suppression of TMP21 expression by siRNA in transfected cells caused increased gamma-secretase activity but not epsilon-secretase activity, and increased Abeta production, demonstrating that TMP21 can modulate gamma-secretase activity.

**Isotype:** Rabbit Ig
**Applications:** E, WB, IHC
**Species Reactivity:** H, M, R
**Format:** Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.
**Alternate Names:** TMP21 ; Transmembrane emp24 domain-containing protein 10; TMED10
**Accession No.:** AAD31941

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within human TMP21.
**Application Notes:** E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

**Storage:** Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.