

Anti-PAR2 [Ab4999 (Par-B)] Standard Size Ab03122-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG4 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Lambda

Clone Number: Ab4999 (Par-B)

Alternative Name(s) of Target: F2RL1; PAR-2; GPR11; Proteinase-activated receptor 2; Coagulation factor II receptor-like 1; G-protein coupled receptor 11; Thrombin receptor-like 1; Ab3777

UniProt Accession Number of Target Protein: P55085

Published Application(s): ELISA

Published Species Reactivity: Rat, Human, Cynomolgus Monkey, Mouse

Immunogen: The original antibody was generated using phage display techniques to pan for antibodies (Fab fragments) capable of immunospecifically binding to residues spanning the protease cleavage site at the N-terminal of PAR-2. The affinity maturation of the selected parental clone Ab3777 resulted in generation of the antibody.

Specificity: This antibody has binding specificity for N-terminal PAR-2 peptide 'SKGRSLIGKVDGTSHVTGKGV' and can bind human, mouse, rat and cynomolgus monkey PAR-2 peptide. PAR2 acts as a receptor for trypsin and trypsin-like enzymes coupled to G proteins.

Application Notes: This antibody was generated by the affinity maturation of a parental clone Ab3777. This antibody exhibited concentration-dependent binding to human PAR-2 transfected HEK293 cells with EC50 values of 0.2 nM. ELISA experiments demonstrated specific binding of this antibody to PAR-2 peptide (coupled to Transferrin as carrier). This antibody did not show any binding affinity for PAR-4 peptide or PAR-1 peptide. This antibody showed potent inhibition of calcium release in the human lung epithelial cell line A549 stimulated with trypsin similar to the parental clone Ab3777. (US20110311553).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.