

## Anti-Polysialic acid [735] Standard Size Ab00240-2.0

**Isotype and Format:** Mouse IgG2a, Kappa

**Clone Number:** 735

**Alternative Name(s) of Target:** PSA; N-CAM; neural cell adhesion molecule; polySA

**UniProt Accession Number of Target Protein:**

**Published Application(s):** immunoblot, IP, WB, FC, IHC

**Published Species Reactivity:** Rat, Human, Mouse

**Immunogen:** Homopolymers of  $\alpha$ 2,8-linked sialic acid of Escherichia coli K1.

**Specificity:** Recognises Polysialic acid (PSA), a carbohydrate polymer attached to the neural cell adhesion molecule (NCAM), which shares molecular epitopes with homopolymers of  $\alpha$ 2,8-linked sialic acid of Escherichia coli K1.

**Application Notes:** Clone 735 was used for immunostaining and immunoprecipitation in an experimental setup involving antigen preparation from PBMC (Peripheral Blood Mononuclear Cells) (Husmann et al., 1989; PMID: 2529126). This antibody recognises an unusual postranslational modification on neural cell adhesion molecules important in synaptogenesis, oncogenesis (particularly small-cell lung cancer) and development of organs such as the kidney (studied in rats, Lackie et al., 1990). 735 was used for Western blot analysis of PSA-NCAM (Polysialylated Neural Cell Adhesion Molecule) (Charter et al., 2000; PMID: 11030751). In addition to various studies on human cells, the antibody, has also been used the study the fine-composition of poly-sialic acid composition in mice (Galuska et al., 2006).

**Antibody First Published in:** Bitter-Suermann & Roth Monoclonal antibodies to polysialic acid reveal epitope sharing between invasive pathogenic bacteria, differentiating cells and tumor cells. Immunol Res. 1987;6(4):225-37. [PMID:2448401](#)

**Note on publication:** Describes the generation of this antibody.

## 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.