

## 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):** IP, 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:** 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). 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.