

Product datasheet for **TA385841**

Polysialic acid Rabbit Monoclonal Antibody [Clone ID: 735]

Product data:

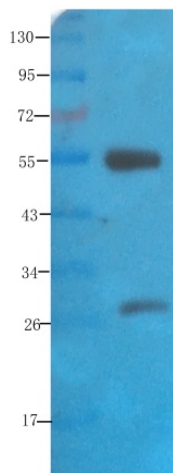
Product Type:	Primary Antibodies
Clone Name:	735
Applications:	FC, IHC, IP
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	Homopolymers of α 2,8-linked sialic acid of Escherichia coli K1.
Specificity:	Recognises Polysialic acid (PSA), a carbohydrate polymer attached to the neural cell adhesion molecule (NCAM), which shares molecular epitopes with homopolymers of α 2,8-linked sialic acid of Escherichia coli K1.

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).

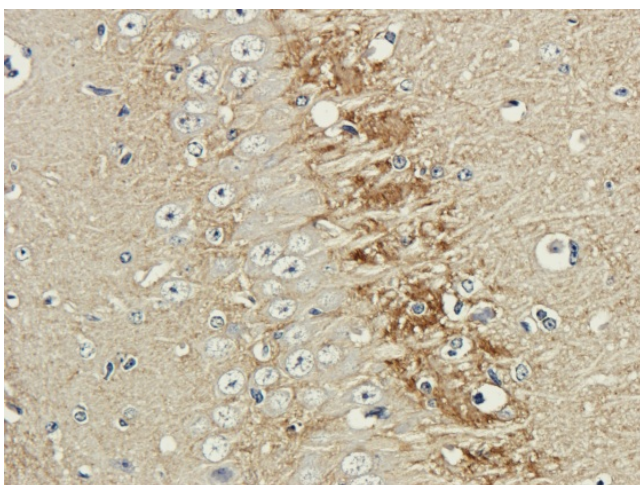
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Note:	This chimeric rabbit antibody was made using the variable domain sequences of the original murine IgG2a format, for improved compatibility with existing reagents, assays and techniques.



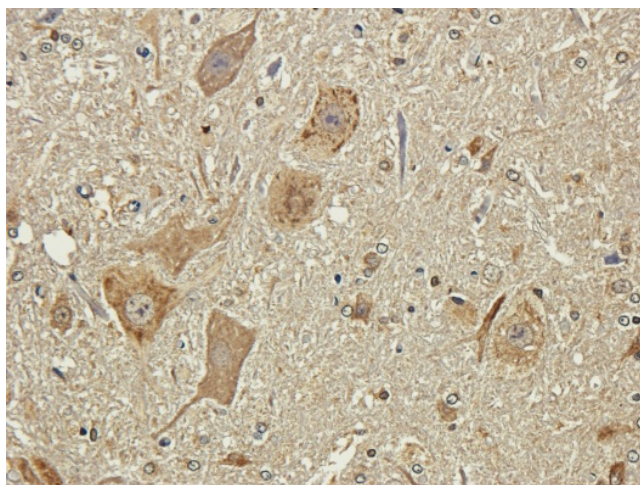
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Product images:

Western Blot using anti-polysialic acid antibody TA385841 Rat brain lysate was resolved on a 10% SDS PAGE gel and blots probed with TA385841 at 2 $\mu\text{g}/\text{ml}$ before being detected by a secondary antibody.



Immunohistochemical staining of guinea pig brain using anti-polysialic acid antibody TA385841 Formalin fixed guinea pig brain slices were stained with a TA385841 at 3 $\mu\text{g}/\text{ml}$.



Immunohistochemical staining of rat spinal cord using anti-polysialic acid antibody TA385841. Formalin fixed rat spinal cord slices were stained with a TA385841 at 3 $\mu\text{g}/\text{ml}$.