Anti-NCAM Antibody (Clone UJ13A)

Alternative Names: Neural Cell Adhesion Molecule, CD56 Antigen MSK39

Catalogue Number: AX17-10006-100ug

Size: 100 µg

Background Information

Neural cell adhesion molecule (NCAM) is a homophillic binding glycoprotein of the Immunoglobulin (Ig) superfamily. NCAM is present on a variety of neural cells including neurons, glia and skeletal muscle. However it is also found in other cells such as hematopoietic cell types including natural killer cells. NCAM has been implicated as having a role in cell-cell adhesion, neurite outgrowth, synaptic plasticity, learning and memory and in the development of the nervous system.

Anti-NCAM (Clone UJ13A) can be used in the characterisation of neuro-ectodermally derived tumours and in the identification of metastatic spread to the bone marrow. Whilst this antibody is provided as not for diagnostic use it has been used in radio immunoscintigraphy of neuroblastoma and brain tumours and in targeted radiotherapy.

Product Information

Antibody Type:	Monoclonal	**Host:**	Mouse
Isotype:	IgG	**Species Reactivity:**	Human
Immunogen:	16 week human foetal brain		
Format:	100 µg in 100 µl PBS containing 0.02% sodium azide.		
Storage Conditions:	6 months: 4˚C. Long-term storage: -20˚C. Avoid multiple freeze and thaw cycles.		
Applications:	IF I WB IIHC- Fr IHC 1:10-1:20		

Additional Information

Subcellular location:	Cell membrane	**MW:**	120kDa, 160kDa and 180kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	4684	**Uniprot ID:**	P13591

References

Patel et al. 1989. Int J Cancer. 44(6):1062-8. PMID: 2558078. ; Patel et al. 1989. Br J Cancer. 60(6):861-6. PMID: 2481486. ; Moss et al. 1988. Lung Cancer. 4, 76-78. ; Allan et al. 1983. Int J Cancer. 31(5):591-8. PMID: 6852977.