

# Product Datasheet

## GFAP Antibody (GA-5) [DyLight 594] NBP2-33184DL594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-33184DL594**

GFAP Antibody (GA-5) [DyLight 594]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	GA-5
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	DyLight 594
<b>Purity</b>	Protein G purified
<b>Buffer</b>	50 mM Sodium borate
<b>Target Molecular Weight</b>	50 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	2670
<b>Gene Symbol</b>	GFAP
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, Chicken, Rabbit
<b>Marker</b>	Astrocyte & Neural Stem Cell Marker
<b>Specificity/Sensitivity</b>	This monoclonal antibody recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins. GFAP is specifically found in astroglia. GFAP is a very popular marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system. Antibody to GFAP is useful in differentiating primary gliomas from metastatic lesions in the brain and for documenting astrocytic differentiation in tumors outside the CNS.
<b>Immunogen</b>	GFAP isolated from pig spinal cord (Uniprot: P14136)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen
<b>Application Notes</b>	Immunohistochemistry (cryosections): see Tobin et. al. for details.



## Images

Product Image: GFAP Antibody (GA-5) [DyLight 594] [NBP2-33184DL594] - Vial of DyLight 594 conjugated antibody. DyLight 594 is optimally excited at 593 nm by the Yellow-Green laser (561 nm) and has an emission maximum of 618 nm.



## Publications

Mao J, Bao Y, Liu F et al. Microglia-Derived Adam9 Regulates Ghrh Neuron Pyroptosis in Aneurysmal Subarachnoid Hemorrhage papers.ssrn.com 2023-11-01

Amossé Q, Tournier B, Badina A et al. Altered astrocytic and microglial homeostasis characterizes a decreased proinflammatory state in bipolar disorder bioRxiv 2023-11-02 (IHC-P, Human)

Tisoncik-Go J, Stokes C, Whitmore LS et al. Disruption of myelin structure and oligodendrocyte maturation in a pigtail macaque model of congenital Zika infection bioRxiv : the preprint server for biology 2023-10-14 [PMID: 37873381] (IHC-P, Primate)

Details:  
Pigtail Macaque

Kremsky I, Ali S, Stanbouly S et al. Spaceflight-Induced Gene Expression Profiles in the Mouse Brain Are Attenuated by Treatment with the Antioxidant BuOE Int J Mol Sci 2023-09-01 [PMID: 37686374]



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### **Products Related to NBP2-33184DL594**

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NBP1-43319DL594	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 594]
H00002670-Q01-10ug	Recombinant Human GFAP GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
DY2594-05	GFAP [Biotin]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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