

SV2A Polyclonal Antibody

Product Details	
Size	100 µl
Species Reactivity	Human
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to Human SV2A
Form	Liquid
Concentration	0.1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 40% glycerol
Contains	0.02% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2648100

Applications	Tested	Dilution	Published
Immunocytochemistry (ICC)	✓	1-4 µg/mL	
Immunofluorescence (IF)	✓	1-4 µg/mL	
Immunohistochemistry (IHC)	✓	1:200-1:500	
Western Blot (WB)	✓	0.4 µg/mL	

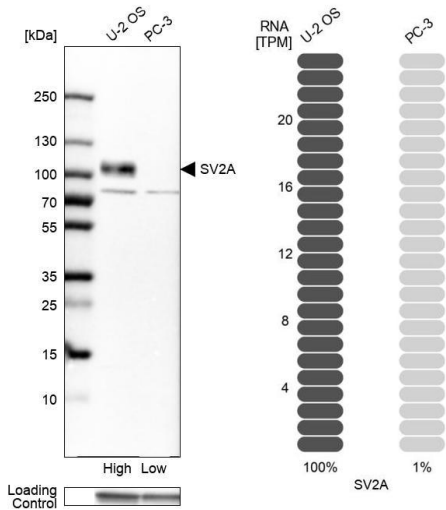
Product Specific Information

Immunogen sequence: SDGYRGEQT QDEEEGGASS DATEGHDEDD EIYEGEYQGI PRAESGGKGE RMADGAPLAG VRGGLSDGEG PPGGRGEAQR RKEREELAQQ YEAILRECGH GRFQW

Highest antigen sequence identity to the following orthologs: Mouse - 96%, Rat - 96%.

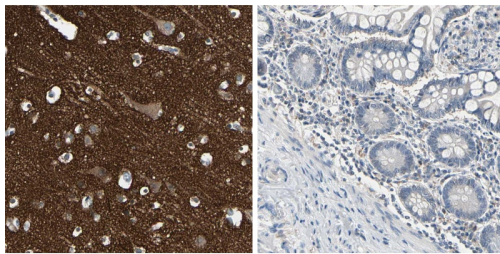
SV2A Antibody (PA5-52476)

Relative expression in western blot: Antibody specificity was demonstrated by detection of known differential basal expression of the target across tissue/cell models. Expression of SV2A was observed specifically in U2OS cells and in PC-3 cells using anti-SV2A Polyclonal Antibody (Product # PA5-52476) in western blot. The relative expression levels of SV2A within each cell line is shown using RNA-Seq. Relative expression validation info.



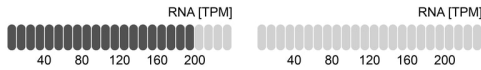
SV2A Antibody (PA5-52476)

Relative expression in different tissues in IHC: Detection of differential expression levels of SV2A demonstrates antibody specificity. Immunohistochemical analysis of SV2A using anti-SV2A Polyclonal Antibody (Product # PA5-52476), shows significant staining of SV2A in human cerebral cortex and shows minimal or weak staining in human small intestine tissues. The relative expression levels of SV2A within each tissue is shown using RNA-Seq. Relative expression validation info.



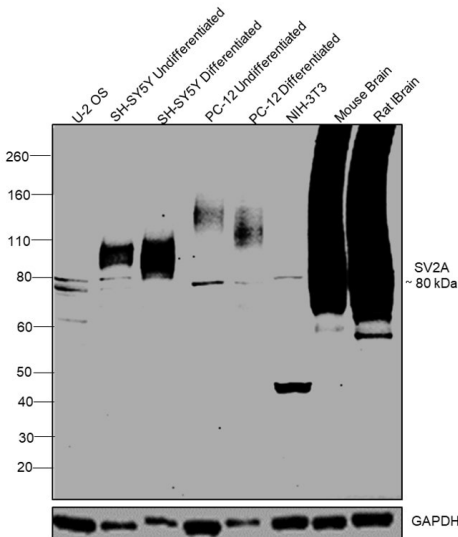
SV2A in Cerebral cortex

SV2A in Small intestine



SV2A Antibody (PA5-52476)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues owing to their inherent genetic constitution. Higher expression of SV2A was observed in SH-SY5Y and PC-12 upon differentiation with Retinoic acid and NGF respectively in comparison to undifferentiated SH-SY5Y and PC-12 cells using SV2A Polyclonal Antibody (Product # PA5-52476) in western blot. The protein runs higher than expected molecular weight as it is heavily glycosylated in cell lines and tissues producing a smeary pattern, especially in mouse and rat brain tissues. Relative expression validation info.



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