

Datasheet for ABIN570915

**anti-SLC18A2 antibody (C-Term)**

10 Images

2 Publications

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## Overview

Quantity:	100 µg
Target:	SLC18A2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This SLC18A2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Purpose:	VMAT2 / SLC18A2
Immunogen:	Peptide with sequence C-SYPIGEDEESES, from the C Terminus of the protein sequence according to NP_003045.2.
Sequence:	SYPIGEDEES ESD
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

Target:	SLC18A2
Alternative Name:	SLC18A2 ( <a href="#">SLC18A2 Products</a> )
Background:	SLC18A2, VMAT2, SVAT, SVMT, VAT2, solute carrier family 18 (vesicular monoamine), member 2, MGC120477, MGC120478, MGC26538
Gene ID:	6571, 214084, 25549
NCBI Accession:	<a href="#">NP_003045</a>

## Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Adrenal Gland. Recommended concentration: 5-6 µg/mL.  Western Blot: Approx 55 kDa band observed in Human Adrenal Gland lysates (calculated MW of 55.7 kDa according to NP_003045.2). Recommended concentration 1-3 µg/mL. Primary incubation 1 hour at room temperature.  Peptide ELISA: antibody detection limit dilution 1:8000.
Restrictions:	For Research Use only

## Handling

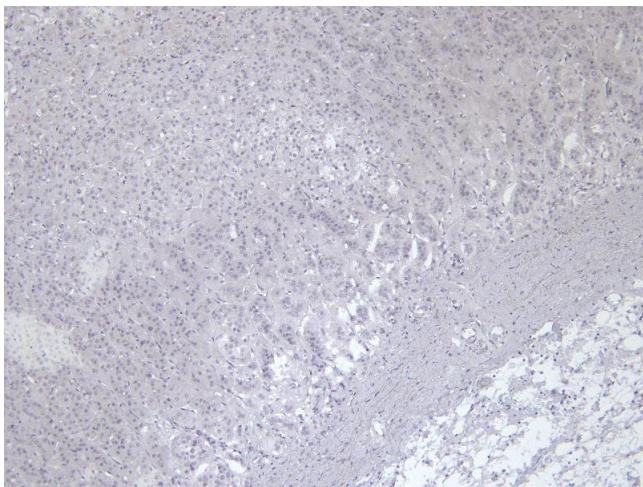
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

Product cited in: Zhang, Morales: "Ultrastructural Detection of Neuronal Markers, Receptors, and Vesicular Transporters." in: **Current protocols in neuroscience**, Vol. 88, Issue 1, pp. e70, (2020) ([PubMed](#)).

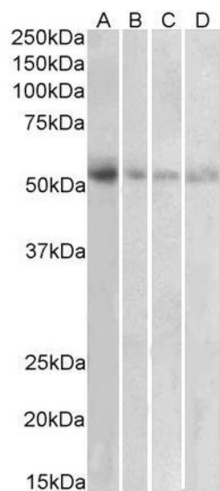
Zhang, Qi, Li, Wang, Britt, Hoffman, Bonci, Lupica, Morales: "Dopaminergic and glutamatergic microdomains in a subset of rodent mesoaccumbens axons." in: **Nature neuroscience**, Vol. 18, Issue 3, pp. 386-92, (2015) ([PubMed](#)).

Images



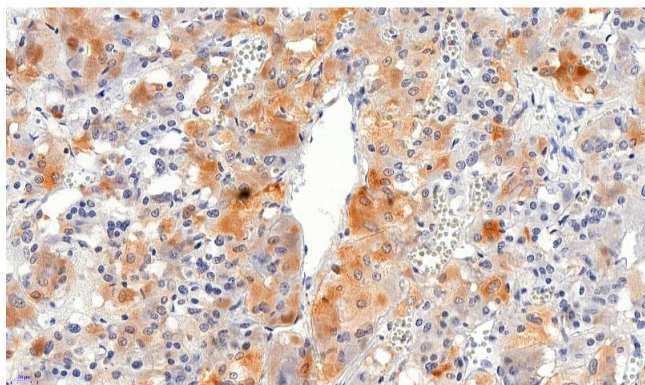
**Immunohistochemistry**

**Image 1.** (ABIN570915) Negative Control showing staining of paraffin embedded Human Adrenal Gland, with no primary antibody.



**Western Blotting**

**Image 2.** Antibody (1µg/ml) staining of Human Placenta (A), Human Uterus (B), Human Adrenal Gland (C) and Human Pancreas (D) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



### Immunohistochemistry

**Image 3.** ABIN570915 (2.5µg/ml) staining of paraffin embedded Human Adrenal Gland. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining. This data is from a previous batch, not on sale.

Please check the [product details page](#) for more images. Overall 10 images are available for ABIN570915.