

Product Datasheet

STAMP2/STEAP4 Antibody

NB100-68162

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Updated 10/23/2024 v.20.1

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NB100-68162**STAMP2/STEAP4 Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	52 kDa

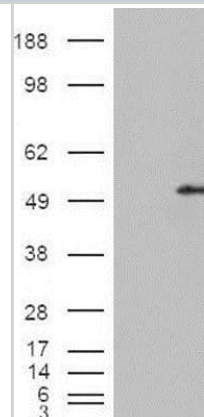
Product Description	
Host	Goat
Gene ID	79689
Gene Symbol	STEAP4
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in (PMID:29078383).
Immunogen	Peptide with sequence CVDNTLTRIRQGWERN corresponding to C-Terminus according to NP_078912.2.

Product Application Details	
Applications	Western Blot, Immunoprecipitation, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 1 ug/ml, Immunoprecipitation 1:10-1:500, Peptide ELISA Detection limit 1:4000
Application Notes	WB: Approx. 50-55 kDa band observed in human adipose lysates (calculated MW of 52.0 kDa band according to NP_078912.2). In transfected HEK293 transiently expressing human Dudulin4 a band of approx. 52 kDa is observed. This band is not observed in the non-transfected HEK293. IP reactivity per customer review.



Images

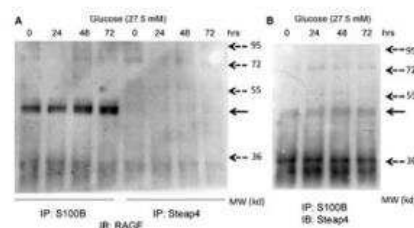
Western Blot: STAMP2/STEAP4 Antibody [NB100-68162] - HEK293 overexpressing Dudulin4 and probed with (mock transfection in first lane).



Western Blot: STAMP2/STEAP4 Antibody [NB100-68162] - (0.3ug/ml) Analysis of Human Adipose lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunoprecipitation: STAMP2/STEAP4 Antibody [NB100-68162] - Analysis of STEAP4 in MES13 cells using anti-STEAP4 antibody. Image from verified customer review.



Publications

Mishra S, Kumar A, Kim S et al. A Liquid Biopsy-Based Approach to Isolate and Characterize Adipose Tissue-Derived Extracellular Vesicles from Blood ACS nano 2023-05-24 [PMID: 37224410]

Xue X, Bredell BX, Anderson ER et al. Quantitative proteomics identifies STEAP4 as a critical regulator of mitochondrial dysfunction linking inflammation and colon cancer Proc. Natl. Acad. Sci. U.S.A. 2017-11-07 [PMID: 29078383] (WB, Mouse)

Wellen KE, Fucho R, Gregor MF et al. Coordinated regulation of nutrient and inflammatory responses by STAMP2 is essential for metabolic homeostasis. Cell 2007-05-04 [PMID: 17482547]

Chuang CT, Guh JY, Lu CY et al. Steap4 attenuates high glucose and S100B-induced effects in mesangial cells. J. Cell. Mol. Med. 2015-03-27 [PMID: 25817898]



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Products Related to NB100-68162

NBL1-16537	STAMP2/STEAP4 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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