

Product Datasheet

Alkaline Phosphatase, Tissue Non-Specific Antibody - BSA Free NBP1-32948

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-32948

Alkaline Phosphatase, Tissue Non-Specific Antibody - BSA Free

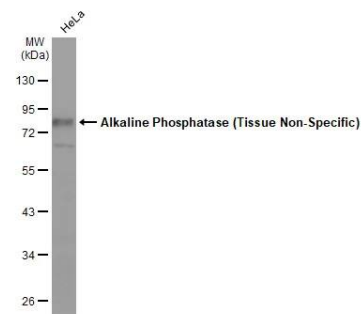
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS
Target Molecular Weight	57 kDa

Product Description	
Description	Novus Biologicals Rabbit Alkaline Phosphatase, Tissue Non-Specific Antibody - BSA Free (NBP1-32948) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Alkaline Phosphatase, Tissue Non-Specific Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	249
Gene Symbol	ALPL
Species	Human, Mouse, Sheep
Reactivity Notes	Cat (90%), Bovine (89%), Dog (89%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Alkaline Phosphatase, Tissue Non-Specific. The exact sequence is proprietary.

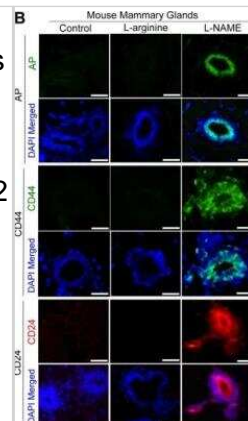
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence Assay dependent, Immunohistochemistry-Paraffin 1:100-1:1000

Images

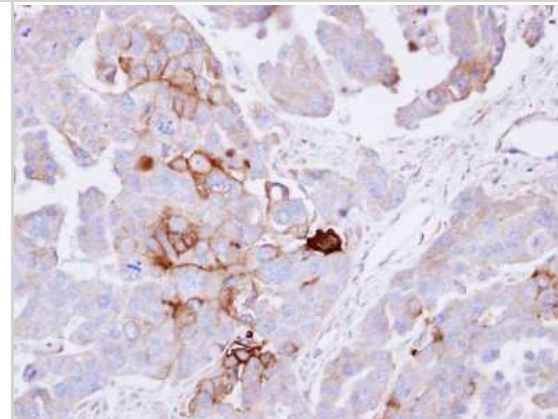
Western Blot: Alkaline Phosphatase, Tissue Non-Specific Antibody [NBP1-32948] - Whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with Alkaline Phosphatase, Tissue Non-Specific antibody (NBP1-32948) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



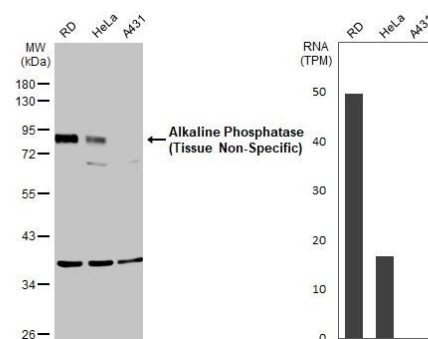
Immunocytochemistry/Immunofluorescence: Alkaline Phosphatase, Tissue Non-Specific Antibody [NBP1-32948] - Deprivation of NO induces bi-lineage phenotype and expression of stem cell markers in mammary epithelial cells both in vivo and in 3D cultures. Representative images of drug-treated mammary glands stained for stem cell markers: alkaline phosphatase (AP) (top 2 rows), CD44 (middle 2 rows) or CD24 (bottom 2 rows). Nuclei were counterstained with DAPI (blue). Scale bars: 50 μ m. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-019-43239-x>) licensed under a CC-BY license.



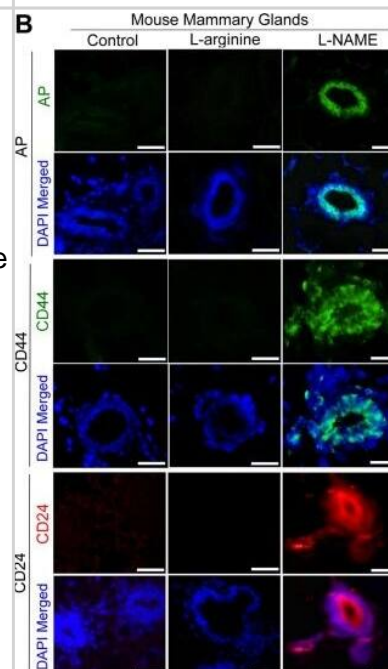
Immunohistochemistry-Paraffin: Alkaline Phosphatase, Tissue Non-Specific Antibody [NBP1-32948] - Paraffin-embedded OVCAR3 xenograft, using antibody at 1:100 dilution.



Various whole cell extracts (30 μ g) were separated by 10% SDS-PAGE, and the membrane was blotted with Alkaline Phosphatase (Tissue Non-Specific) antibody (NBP1-32948) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



Deprivation of NO induces bi-lineage phenotype and expression of stem cell markers in mammary epithelial cells both in vivo and in 3D cultures. (A) CK14 (basal) and CK8/18 (luminal) staining of mouse mammary glands treated with control (PBS), L-arginine or L-NAME for 6 weeks. Co-localization of CK14 and CK8/18 was captured with ImageJ. Scale bars: 100 μ m. (See the quantification in Supplementary Fig. 6A). (B) Representative images of drug-treated mammary glands stained for stem cell markers: alkaline phosphatase (AP) (top 2 rows), CD44 (middle 2 rows) or CD24 (bottom 2 rows). Nuclei were counterstained with DAPI (blue). Scale bars: 50 μ m. (See the quantification in Supplementary Fig. 6B–D). (C) CK14 and CK8/18 staining of non-malignant MCF10A cells cultivated in 3D ECM in the presence of control (PBS), L-arginine or L-NAME for 3 weeks. Scale bars: 50 μ m. (See the quantification in Supplementary Fig. 6E). (D) Drug-treated MCF10A cells in 3D cultures stained for AP (top 2 rows), CD44 (middle 2 rows) or CD24 (bottom 2 rows). Nuclei were counterstained with DAPI (blue). Scale bars: 50 μ m. (See the quantification in Supplementary Fig. 6F–H). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/31040372>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Ren G, Zheng X, et al. Reduced Basal Nitric Oxide Production Induces Precancerous Mammary Lesions via ERBB2 and TGF beta. Sci Rep 2019-04-30 [PMID: 31040372] (IF/IHC, Human)





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Products Related to NBP1-32948

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

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