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GOAT ANTI-SMOOTH MUSCLE ALPHA-ACTIN ANTIBODY

SKU: EB06450

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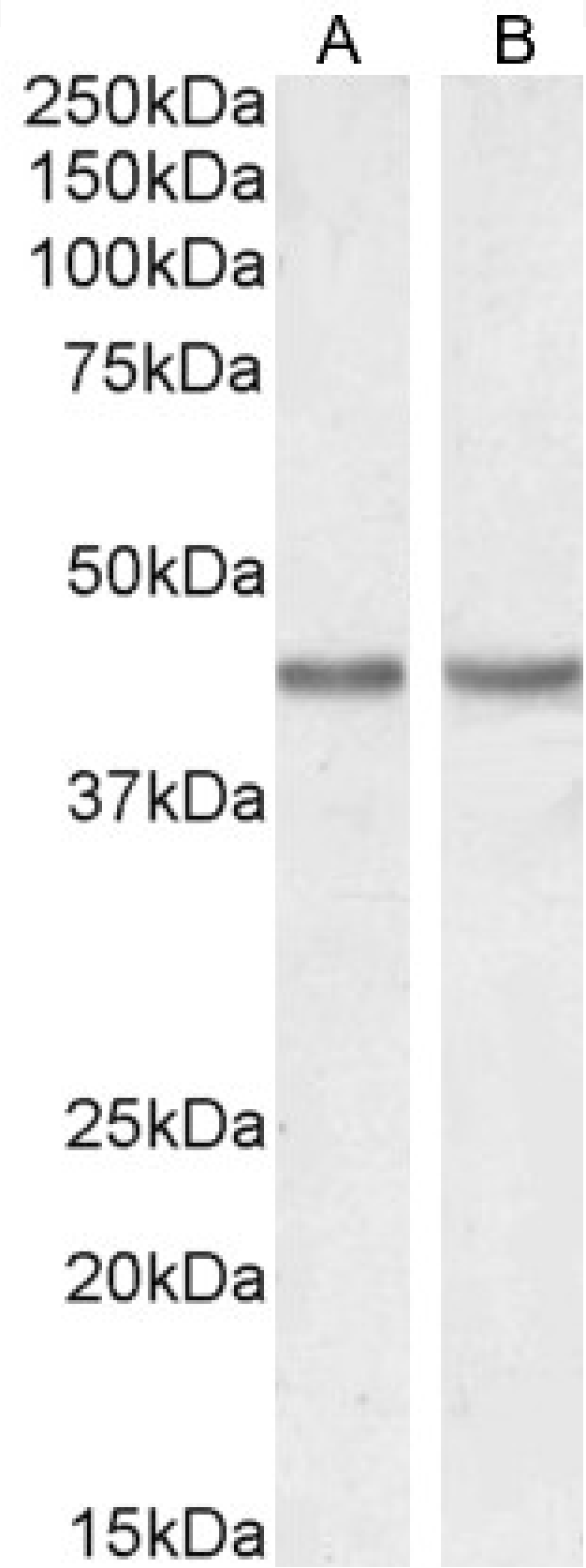

SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	smooth muscle alpha-actin|growth-inhibiting gene 4|alpha-cardiac actin|alpha 2 actin|ACTSA|AAT6|ACTSA|ACTA2|OTTHUMP00000020042|actin, alpha 2, smooth muscle, aorta
Accession ID	NP_001604.1; NP_001135417.1
Blocking Peptide	EBP06450
Immunogen	Peptide with sequence EEEDSTALVC, from the N Terminus of the protein sequence according to NP_001604.1; NP_001135417.1.
Product Comments	Variants NP_001604.1 and NP_001135417.1 encode the same protein.
Peptide Sequence	EEEDSTALVC
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog
Reactive Species	Mouse, Rat
Human Gene ID	59
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:16000.
Western Blot	Approx 45kDa band observed in Human Duodenum lysates (calculated MW of 42kDa according to NP_001604.1). Recommended concentration:0.1-1µg/ml.
Application Type	Pep-ELISA, WB

SELECTED REFERENCES

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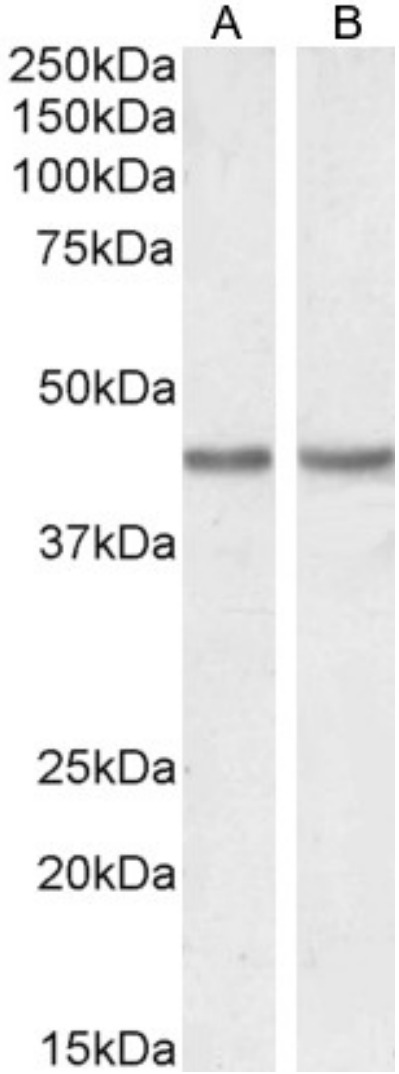
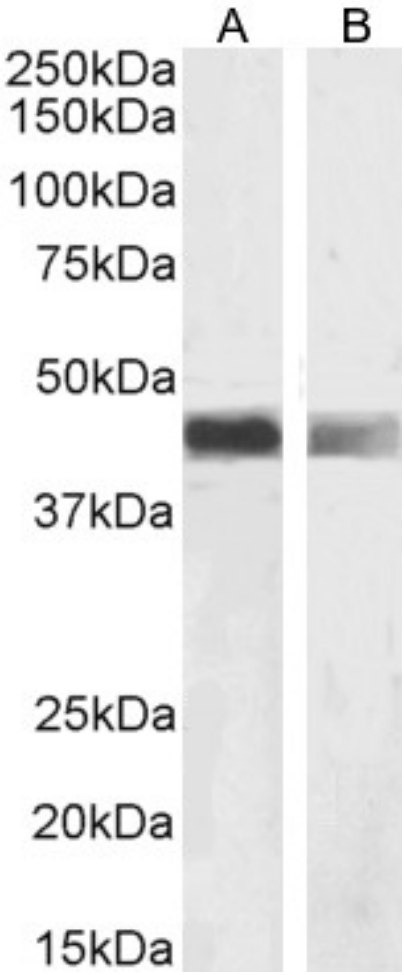
escape?", "author": "Trokovic N, Pöllänen R, Porola P, Stegaev V, Hetzel U, Tivesten Å, Engdahl C, Carlsten H, Forsblad-d'Elia H, Fagman JB, Lagerquist M, Konttinen YT.", "journal": "Am J Physiol Endocrinol Metab. 2012 Oct 15;303(8):E1015-24."}, {"pmid": 23383100, "intro": "**This antibody (previous batch) has been successfully used in IHC on Mouse:**", "title": "Modification of hemodynamic and immune responses to exposure with a weak antigen by the\r\nexpression of a hypomorphic BMPR2 gene.", "author": "Park SH, Chen WC, Hoffman C, Marsh LM, West J, Grunig G.", "journal": "PLoS One. 2013;8(1):e55180."}, {"pmid": 18538388, "intro": "**This antibody (previous batch) has been successfully used in IF on Human:**", "title": "Novel HLA-G-binding leukocyte immunoglobulin-like receptor (LILR) expression patterns in human placentas and umbilical cords.", "author": "McIntire RH, Sifers T, Platt JS, Ganacias KG, Langat DK, Hunt JS.", "journal": "Placenta. 2008 Jul;29(7):631-8."}, {"pmid": 25726846, "intro": "**This antibody (previous batch) has been successfully used in IHC on Human:**", "title": "High-mobility group box-1 induces vascular remodelling processes via c-Jun activation.", "author": "Zabini D, Crnkovic S, Xu H, Tscherner M, Ghanim B, Klepetko W, Olschewski A, Kwapiszewska G, Marsh LM.", "journal": "J Cell Mol Med. 2015 May;19(5):1151-61"}, {"pmid": 27704164, "intro": "**This antibody (previous batch) has been successfully used in IHC on Mouse:**", "title": "Human multipotent adult progenitor cells enhance islet function and revascularisation when co-transplanted as a composite pellet in a mouse model of diabetes.", "author": "João Paulo M. C. M. Cunha, Gunter Leuckx, Peter Sterkendries, Hannelie Korf, Gabriela Bomfim-Ferreira, Lutgart Overbergh, Bart Vaes, Harry Heimberg, Conny Gysemans, Chantal Mathieu", "journal": "Diabetologia. 2016 Oct 4."}, {"pmid": 26349856, "intro": "**This antibody (previous batch) has been successfully used in WB and IF on Mouse:**", "title": "Topical Application of Insulin Accelerates Vessel Maturation of Wounds by Regulating Angiopoietin-1 in Diabetic Mice.", "author": "Chaofei Li, Tianyi Yu, Yan Liu, Xuelian Chen, and Xiong Zhang.", "journal": "Int J Low Extrem Wounds. 2015 Dec;14(4):353-64. "}, {"pmid": 25034560, "intro": "**This antibody (previous batch) has been successfully used in IHC on Human:**", "title": "Comprehensive analysis of inflammatory markers in chronic thromboembolic pulmonary hypertension patients.", "author": "Diana Zabini, Akos Heinemann, Vasile Foris, Chandran Nagaraj, Patrick Nierlich, Zolta´n Ba´lint, Grazyna Kwapiszewska, Irene M. Lang, Walter Klepetko, Horst Olschewski and Andrea Olschewski.", "journal": "Eur Respir J. 2014 Oct;44(4):951-62. "}, {"pmid": 28705908, "intro": "**This antibody (previous batch) has been successfully used in ICC on Human:**", "title": "Importance of kynurenine in pulmonary hypertension", "author": "Nagy BM, Nagaraj C, Meinitzer A, Sharma N, Papp R, Foris V, Ghanim B, Kwapiszewska G, Kovacs G, Klepetko W, Pieber TR, Mangge H, Olschewski H, Olschewski A", "journal": "Am J Physiol Lung Cell Mol Physiol. 2017 Nov 1;313(5):L741-L751."}, {"pmid": 34309864, "intro": "**This antibody (previous batch) has been successfully used in IHC on Mouse:**", "title": "Low oxygen levels decrease adaptive immune responses and ameliorate experimental asthma in mice", "author": "Mathias Hochgerner, Eva M Sturm, Diana Schnoegl, Grazyna Kwapiszewska, Horst

Olschewski, Leigh M Marsh", "journal": "Allergy. 2021 Jul 26. doi: 10.1111/all.15020"}]

DOCUMENTS

- Data Sheet

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