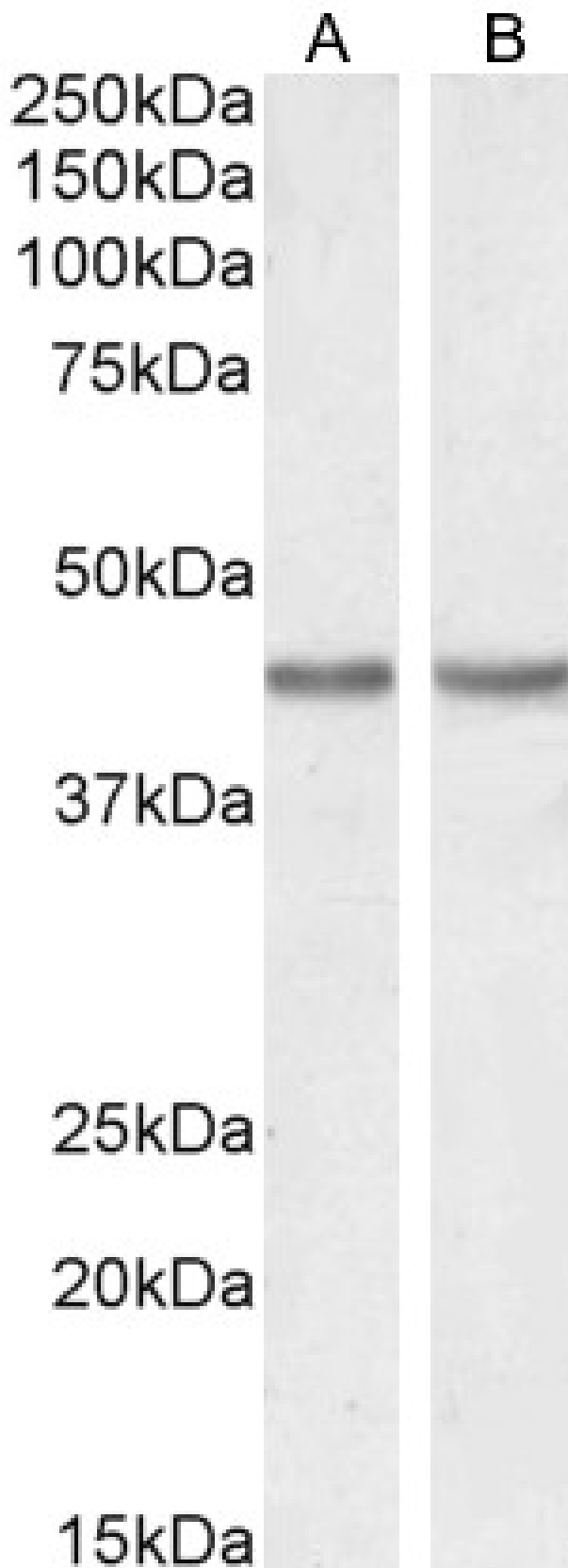


# GOAT ANTI-SMOOTH MUSCLE ALPHA-ACTIN ANTIBODY

**SKU:** EB06450



## SPECIFICATIONS

<b>Formulation</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
<b>Unit Size</b>	100 µg
<b>Storage</b>	
<b>Instructions</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Synonym / Alias</b>	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
<b>Names</b>	
<b>Accession ID</b>	NP_001604.1; NP_001135417.1
<b>Blocking Peptide</b>	EBP06450
<b>Immunogen</b>	Peptide with sequence EEEDSTALVC, from the N Terminus of the protein sequence according to NP_001604.1; NP_001135417.1.
<b>Product Comments</b>	Variants NP_001604.1 and NP_001135417.1 encode the same protein.
<b>Peptide Sequence</b>	EEEDSTALVC
<b>Purification Method</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Shipping Instructions</b>	Refrigerated
<b>Predicted Species</b>	Human, Mouse, Rat, Dog
<b>Reactive Species</b>	Human, Mouse, Rat
<b>Human Gene ID</b>	59
<b>Product Grade</b>	<a href="https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png">https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png</a>
<b>IHC Results</b>	S4C4P26
<b>ELISA</b>	
<b>Detection Limit</b>	Antibody detection limit dilution 1:8000.
<b>Western Blot</b>	Approx 42kDa band observed in Human Duodenum lysates, Rat Heart lysates, and in lysates of cell lines HeLa and NIH3T3 (calculated MW of 42kDa according to Human NP_001604, Mouse NP_031418.1 and Rat NP_112266.1) . Recommended concentration: 0.1-0.5µg/ml. Primary incubation 1 hour at room temperature.
<b>Application Type</b>	Pep-ELISA, WB

## SELECTED REFERENCES

[{"pmid": 22912365, "intro": "**This antibody (previous batch) has been successfully used in IHC on Mouse:**", "title": "Exosomal secretion of death bullets: a new way of apoptotic 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 expression 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": "Chaoferi 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, Zoltán Bálint, 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"}]

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## DOCUMENTS

- [Data Sheet](#)

## GALLERY IMAGES

