

Phospho-Smad2-S465/467 + Smad3-S423/425 Antibody

CABP0548

Description

This Phospho-Smad2-S465/467 + Smad3-S423/425 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CABP0548
Contents:	20 μ L, 100 μ L Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	HSPC193, HsT17436, JV15-2, LDS1C, LDS3, MADH3, Phospho-Smad2-S465/467 + Smad3-S423/425
Clone:	-
Applications:	WB IHC-P IF/ICC ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	4087 4088
Uniprot:	AB_2771541
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	60 kDa
Calculated MW:	48kDa/52kDa/25kDa/35kDa/43kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% sodium azide, 50% glycerol, pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

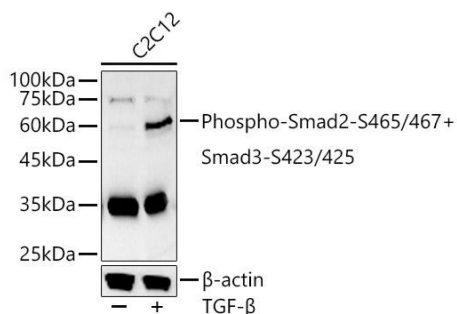
Positive Sample: C2C12 treated with TGF- β

Recommended Dilutions:

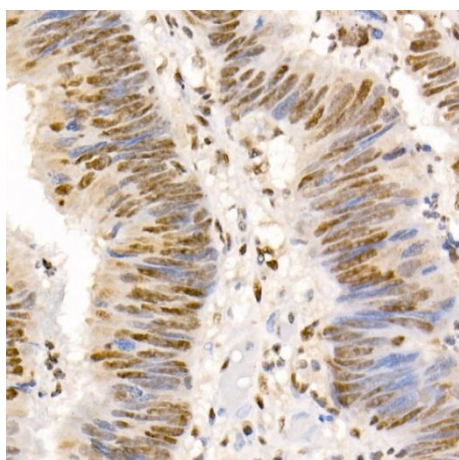
WB	1:500 - 1:5000
IF/ICC	1:50 - 1:200
IHC-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

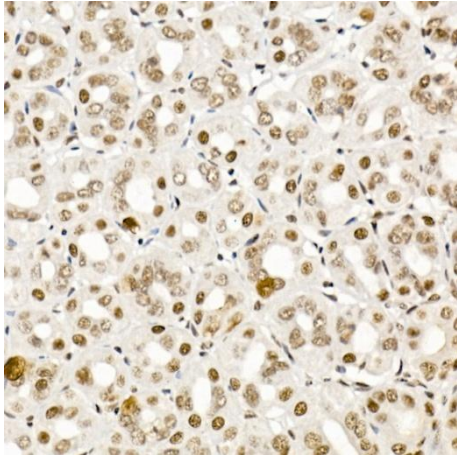
Validation Data



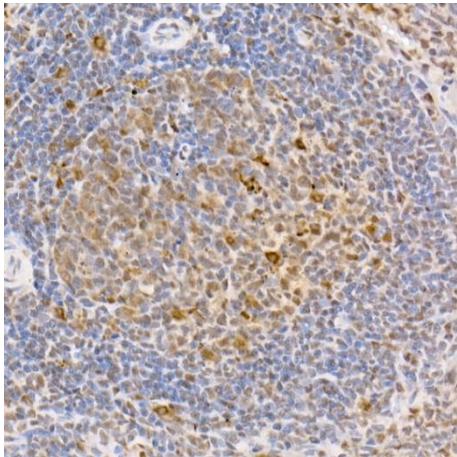
Western blot analysis of lysates from C2C12 cells, using Phospho-Smad2-/467 + Smad3-/425 Rabbit pAb (CABP0548) at 1:800 dilution. C2C12 cells were treated with TGF- β (10 ng/ml) at 37°C for 30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



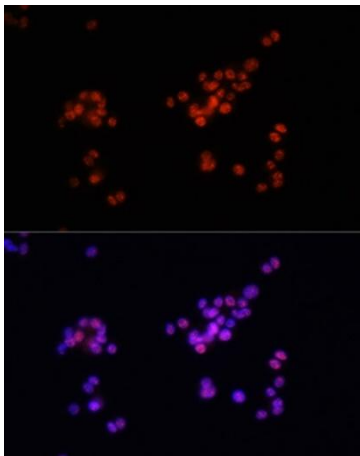
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using Phospho-Smad2-/467 + Smad3-/425 Rabbit pAb (CABP0548) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



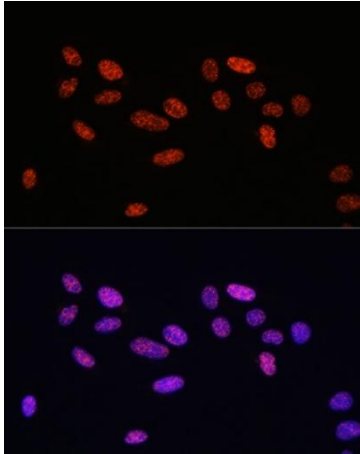
Immunohistochemistry analysis of paraffin-embedded Mouse stomach using Phospho-Smad2-/467 + Smad3-/425 Rabbit pAb (CABP0548) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen using Phospho-Smad2-/467 + Smad3-/425 Rabbit pAb (CABP0548) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of PC-12 cells using Phospho-Smad2-/467 + Smad3-/425 Rabbit pAb (CABP0548) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using Phospho-Smad2-/467 + Smad3-/425 Rabbit pAb (CABP0548) at dilution of 1:100. Blue: DAPI for nuclear staining.