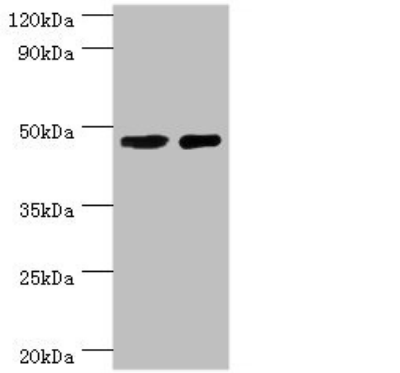
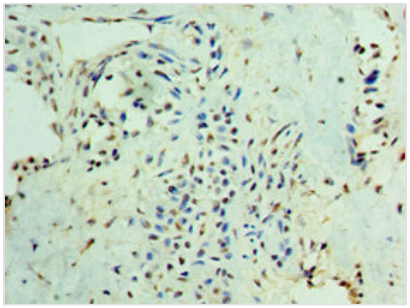
SMAD3 Antibody

Product Code	CSB-PA021788ESR2HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P84022
Immunogen	Recombinant Human Mothers against decapentaplegic homolog 3 protein (1-230AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, IF, IP; Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:500, IF:1:50-1:200, IP:1:200-1:2000
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purification Method	Antigen Affinity Purified
Isotype	IgG
Clonality	Polyclonal
Alias	Mothers against decapentaplegic homolog 3 (MAD homolog 3) (Mad3) (Mothers against DPP homolog 3) (hMAD-3) (JV15-2) (SMAD family member 3) (SMAD 3) (Smad3) (hSMAD3), SMAD3, MADH3
Immunogen Species	Homo sapiens (Human)
Research Area	Signal Transduction
Target Names	SMAD3

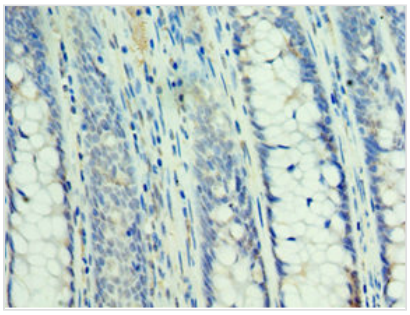
Image



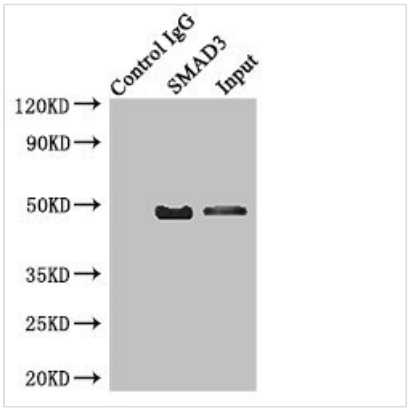
Western blot
All lanes: SMAD3 antibody at 8μg/ml
Lane 1: Jurkat whole cell lysate
Lane 2: A431 whole cell lysate
Secondary
Goat polyclonal to rabbit IgG at 1/10000 dilution
Predicted band size: 49, 44, 36, 26 kDa
Observed band size: 49 kDa



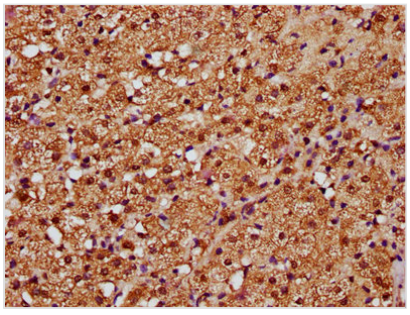
Immunohistochemistry of paraffin-embedded human breast cancer using CSB-PA021788ESR2HU at dilution of 1:100



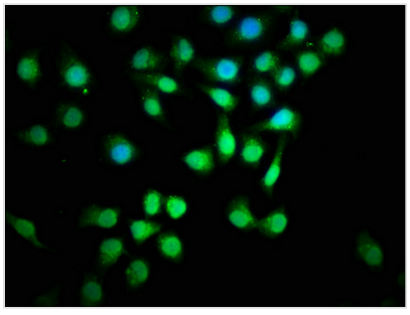
Immunohistochemistry of paraffin-embedded human colon cancer using CSB-PA021788ESR2HU at dilution of 1:100



Immunoprecipitating SMAD3 in Jurkat whole cell lysate
Lane 1: Rabbit control IgG instead of (1µg) instead of CSB-PA021788ESR2HU in Jurkat whole cell lysate. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the Secondary antibody (1/50000)
Lane 2: CSB-PA021788ESR2HU (4µg) + Jurkat whole cell lysate (500µg)
Lane 3: Jurkat whole cell lysate (20µg)



IHC image of CSB-PA021788ESR2HU diluted at 1:388 and staining in paraffin-embedded human adrenal gland tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence staining of A549 cells with CSB-PA021788ESR2HU at 1:129, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).