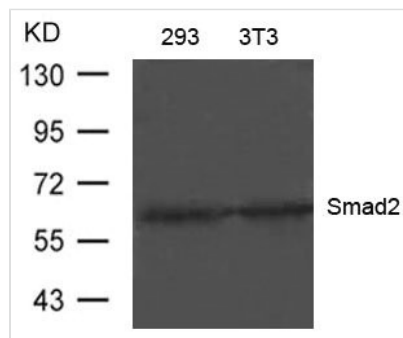




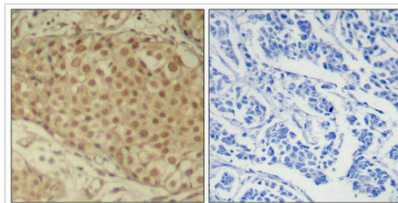
# SMAD2 (Ab-220) Antibody

|                            |                                                                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-PA093530                                                                                                                                                                                                                                                   |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                                                                                                                                                                  |
| <b>Uniprot No.</b>         | Q15796                                                                                                                                                                                                                                                         |
| <b>Immunogen</b>           | Peptide sequence around aa.218~222 (P-E-T-P-P) derived from Human Smad2.                                                                                                                                                                                       |
| <b>Raised In</b>           | Rabbit                                                                                                                                                                                                                                                         |
| <b>Species Reactivity</b>  | Human,Mouse,Rat                                                                                                                                                                                                                                                |
| <b>Specificity</b>         | The antibody detects endogenous level of total Smad2 protein.                                                                                                                                                                                                  |
| <b>Tested Applications</b> | ELISA,WB,IHC;WB:1:500-1:1000,IHC:1:50-1:200                                                                                                                                                                                                                    |
| <b>Relevance</b>           | Transcriptional modulator activated by TGF-beta and activin type 1 receptor kinase. SMAD2 is a receptor-regulated SMAD (R-SMAD). May act as a tumor suppressor in colorectal carcinoma.<br><br>Sang Gyun Kim et al. (2004) Mol Biol Cell. February; 15(2): 420 |
| <b>Form</b>                | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                   |
| <b>Purification Method</b> | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.                                                                                  |
| <b>Clonality</b>           | Polyclonal                                                                                                                                                                                                                                                     |
| <b>Alias</b>               | JV18-1; MADH2; MADR2; Mad-related protein 2; Mothers against DPP homolog 2                                                                                                                                                                                     |
| <b>Product Type</b>        | Polyclonal Antibody                                                                                                                                                                                                                                            |
| <b>Species</b>             | Homo sapiens (Human)                                                                                                                                                                                                                                           |
| <b>Target Names</b>        | SMAD2                                                                                                                                                                                                                                                          |

## Image



Western blot analysis of extracts from 293 and 3T3 cells using Smad2(Ab-220) Antibody



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Smad2(Ab-220) Antibody(left) or the same antibody preincubated with blocking peptide(right).