

## Mouse Anti-Human WNT3A Clone 3A6 mAb

**Catalog No.:** CSI20098A  
CSI20098B

**Quantity:** 50 µl  
100 µl

**Description:** Wingless-type MMTV integration site family member 3A (WNT3A) is a member of the WNT family. The WNT gene family consists of structurally related genes which encode secreted signaling proteins. WNT is representative of a growing class of multi-functional factors that play a role in both tumorigenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. WNT3A is a ligand for members of the Frizzled family of seven transmembrane receptors. It shows 96% amino acid identity to Mouse Wnt3A and 84% to Human WNT3.

**GeneID:** 89780

**Immunogen:** *E. coli*-expressed Recombinant Human WNT3A (aa 19-352)

**Host:** Mouse

**Isotype:** IgG<sub>2a</sub> heavy chain and kappa light chain

**Clone:** 3A6

**Concentration:** 1 mg/mL

**Formulation:** Liquid in PBS pH 7.4 + 0.1% Sodium Azide.

**Storage/Stability:** Store at 4°C for up to one month. For long term, store at -20°C.  
**Avoid repeated freeze-thaw cycles.**

**Applications:** ELISA, WB, IHC.

Recommended dilution range:

WB = 1:1000-2000

IHC = 1:50-100

Each investigation should be titrated by the reagent to obtain optimal results.



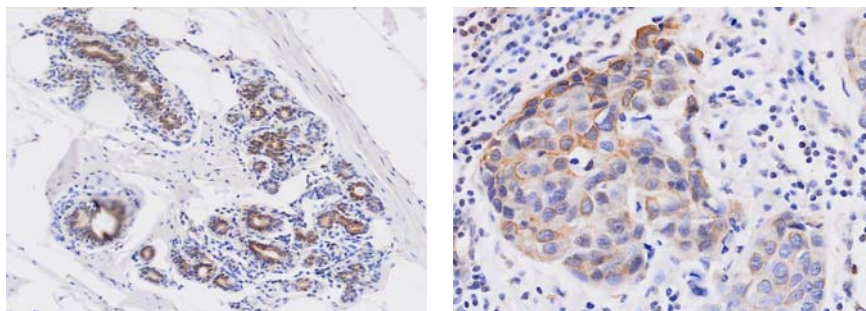
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## Immunohistochemistry: (IHC)

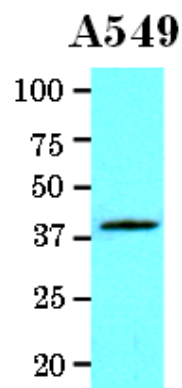
Paraffin embedded sections of human breast cancer tissue were incubated with Anti-Human WNT3A (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1 M Sodium Citrate buffer and detected using Diaminobenzidine (DAB).



**Human breast cancer tissue**

## Western blot analysis: (WB)

Cell lysates of A549 (20 µg) were resolved by SDS-PAGE, transferred to nitrocellulose membrane and probed with Anti-Human WNT3A (1:1000). Proteins were visualized using a Goat Anti-Mouse HRP-conjugated secondary antibody and an ECL detection system.



**General references:** Pan W., *et al.* (2008) *Science*. 321(5894):1350–1353

Katoh M., *et al.* (2002) *Int J Oncol*. 20(2):373–377

Smolich B D., *et al.* (1993) *Mol Biol Cell*. 4(12):1267–1275



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