

## Mouse Monoclonal Antibody to WNT5A

<b>Catalogue Number</b>	sAP-0271
<b>Target Molecule</b>	<b>Name:</b> WNT5A <b>Aliases:</b> hWNT5A <b>MW:</b> 42.3kDa <b>Entrez Gene ID:</b> 7474
<b>Description</b>	WNT5A: wingless-type MMTV integration site family, member 5A. Entrez Protein: NP_003383. The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 98%, 98% and 87% amino acid identity to the mouse, rat and the <i>xenopus</i> Wnt5A protein, respectively. The experiments performed in <i>Xenopus laevis</i> embryos identified that human frizzled-5 (hFz5) is the receptor for the Wnt5A ligand and the Wnt5A/hFz5 signaling mediates axis induction.
<b>Immunogen</b>	Purified recombinant fragment of WNT5A expressed in E. Coli. ;
<b>Reactive Species</b>	Human
<b>Clone</b>	MM6F2;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ;
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Cancer Res. 2008 Jul 15;68(14):5785-94. ; 2. Proc Natl Acad Sci U S A. 2009 Mar 10;106(10):3919-24.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**