



# Hic-5 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-01775
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	TGFB111
<b>Protein Name</b>	Transforming growth factor beta-1-induced transcript 1 protein
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Hic-5. AA range:31-80
<b>Specificity</b>	Hic-5 Monoclonal Antibody detects endogenous levels of Hic-5 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TGFB111; ARA55; Transforming growth factor beta-1-induced transcript 1 protein; Androgen receptor coactivator 55 kDa protein; Androgen receptor-associated protein of 55 kDa; Hydrogen peroxide-inducible clone 5 protein; Hic-5
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cell junction, focal adhesion. Nucleus matrix. Cytoplasm, cytoskeleton. Associated with the actin cytoskeleton; colocalizes with stress fibers.
<b>Tissue Specificity</b>	Expressed in platelets, smooth muscle and prostate stromal cells (at protein level).
<b>Function</b>	domain:The LD (leucine and aspartate-rich) motif 3 mediates interaction with GIT1 and functions as a nuclear export signal.;domain:The LIM zinc-binding domains mediate glucocorticoid receptor coactivation and interaction with AR, CRIP2, ILK, LIMS1, NR3C1, PPARG, TCF3, TCF7L2, SLC6A3 and SMAD3. The LIM zinc-binding 2 and LIM zinc-binding 3 domains mediate targeting to focal adhesions and actin stress fibers. The LIM zinc-binding 3 and LIM zinc-binding 4 domains mediate interaction with TRAF4 and MAPK15. The LIM zinc-binding 4 domain mediates interaction with HSPB1, homooligomerization and targeting to the nuclear matrix. The LIM zinc-binding 3 domain mediates interaction with PTPN12.;function:Functions as a molecular adapter coordinating multiple protein-protein interactions at the focal adhesion complex and in the nucleus. Links various intracellular signaling modules to plasma membrane



## Background

transforming growth factor beta 1 induced transcript 1(TGFB11) Homo sapiens  
This gene encodes a coactivator of the androgen receptor, a transcription factor which is activated by androgen and has a key role in male sexual differentiation. The encoded protein is thought to regulate androgen receptor activity and may have a role to play in the treatment of prostate cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009],

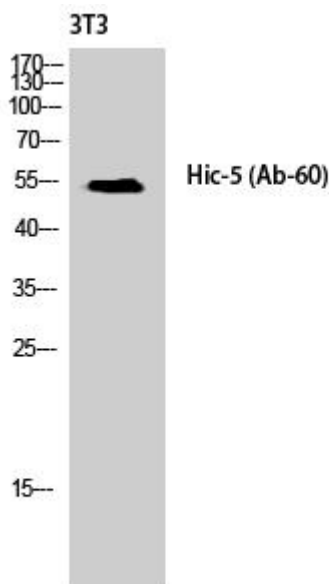
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using Hic-5 Monoclonal Antibody