Estrogen Receptor beta Conjugated Antibody

Catalog No: #C49281

Package Size: #C49281-AF350 100ul #C49281-AF405 100ul #C49281-AF488 100ul #C49281-AF555 100ul #C49281-AF594 100ul #C49281-AF647 100ul #C49281-AF680 100ul #C49281-AF750 100ul #C49281-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Estrogen Receptor beta Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ER BETA antibody ER-beta antibody Erb antibody ESR B antibody ESR BETA antibody ESR2 antibody ESR2_HUMAN antibody ESRB antibody ESTRB antibody estrogen nuclear receptor beta variant a antibody estrogen nuclear receptor beta variant b antibody estrogen receptor 2 (ER beta) antibody Estrogen receptor 2 antibody estrogen receptor beta 4 antibody Estrogen receptor beta antibody NR3A2 antibody Nuclear receptor subfamily 3 group A member 2 antibody
Accession No.	Swiss-Prot#:Q92731
Uniprot	Q92731
GeneID	2100;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	59 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Estrogen receptors (ER) are members of the steroid/thyroid hormone receptor superfamily of ligand-activated transcription factors. Estrogen receptors, including ERα and ERβ, contain DNA binding and ligand binding domains and are critically involved in regulating the normal function of reproductive tissues. They are located in the nucleus, though some estrogen receptors associate with the cell surface membrane and can be rapidly activated by exposure of cells to estrogen. ERα and ERβ have been shown to be differentially activated by various ligands. Receptor-ligand interactions trigger a cascade of events, including dissociation from heat shock proteins, receptor dimerization, phosphorylation and the association of the hormone activated receptor with specific regulatory elements in target genes. Evidence suggests that ERα and ERβ may be regulated by distinct mechanisms even though they share many functional characteristics.

Note: This product is for in vitro research use only