

TP63 Conjugated Antibody

Catalog No: #C32619



Package Size: #C32619-AF350 100ul #C32619-AF405 100ul #C32619-AF488 100ul
 #C32619-AF555 100ul #C32619-AF594 100ul #C32619-AF647 100ul
 #C32619-AF680 100ul #C32619-AF750 100ul #C32619-Biotin 100ul

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Description

Product Name	TP63 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total TP63 protein.
Immunogen Description	Recombinant protein of human TP63.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AIS;B(p51A);B(p51B);EEC3;KET
Accession No.	Swiss-Prot#:Q9H3D4NCBI Gene ID:8626
Uniprot	Q9H3D4
GeneID	8626;
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	77
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

Product Description

Antibodies were purified by affinity purification using immunogen.

Background

The p53 tumor suppressor protein plays a major role in cellular response to DNA damage and other genomic aberrations. Activation of p53 can lead to either cell cycle arrest and DNA repair or apoptosis (1). In addition to p53, mammalian cells contain two p53 family members, p63 and p73, which are similar to p53 in both structure and function (2). While p63 can induce p53-responsive genes and apoptosis, mutation of p63 rarely results in tumors (2). Amplification of the p63 gene is frequently observed in squamous cell carcinomas of the lung, head and neck (2,3). The p63 gene contains an alternative transcription initiation site that yields a 40 kDa $\Delta Np63$ lacking the transactivation domain, and alternative splicing at the carboxy-terminus yields the alpha, beta and gamma isoforms (3,4).

Note: This product is for in vitro research use only