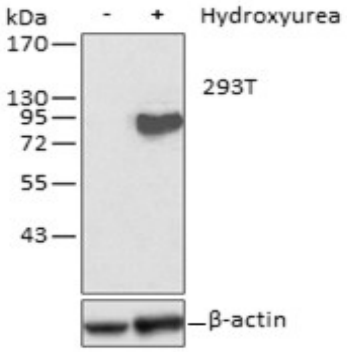
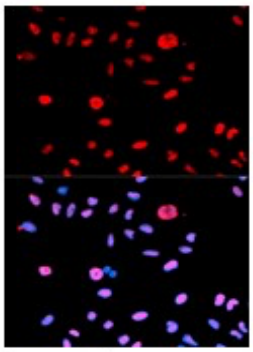
Product Name:	Phospho-MDM2-S166 Rabbit pAb
Catalog #:	Y8002-20; Y8002-100
Also Known As:	MDM2; ACTFS; HDMX; hdm2
Quantity:	20 µl for Y8002-20; 100 µl for Y8002-100
Concentration:	See labels on tube
Host Species:	Rabbit
Isotype:	IgG
Reactivity:	Human, Mouse, Rat
Immunogen:	A synthetic phosphorylated peptide surrounding S166 of human MDM2 (NP_002383.2).
Swiss Prot. #:	Q00987
Calculated MW:	55 kDa
Detected MW:	95 kDa
Applications:	WB (1:500 - 1:1 ,000) IF (1:50 - 1:100) IP (not tested) IHC (not tested) Note: Antibody dilution should be optimized by users.

Images:



Immunoblotting 25 µg whole cell extracts of 293T cell line which treated by Hydroxyurea (4mM) for 20 hours using Phospho-MDM2-S166 antibody (Y8002) at 1:1,000 dilution.



Immunofluorescence of U2OS cells using Phospho-MDM2-S166 antibody (Y8002) at 1:100 dilution. Blue: DAPI nuclear staining.

Purification:	Protein A or G affinity purification
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Storage:	Store at -20°C. Centrifuge to maximize product recovery.
Background:	MDM2 is an E3 ubiquitin ligase that targets the p53 protein for proteasomal degradation. Akt-mediated phosphorylation of MDM2 at Ser166 and Ser186 increases its interaction with p300, allowing MDM2-mediated ubiquitination and degradation of p53. Phosphorylation of MDM2 also blocks its binding to p19ARF, increasing the degradation of p53.
Reference:	1. Haupt Y, et al. (1997) Nature 387, 296 - 299. 2. Sasaki M, et al. (2011) Nature Med 17, 944 - 951.
Note:	This product is for research use only.