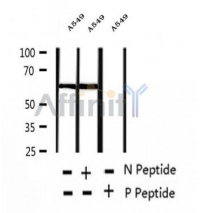
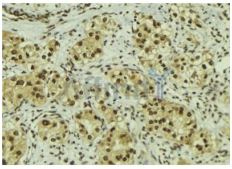
Phospho-SQSTM1/p62 (Thr269/Ser272) Ab

Cat.#: AF2411	Concn.: 1mg/ml	Mol.Wt.: 62kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200
Reactivity:	Human
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-SQSTM1/p62 (Thr269/Ser272) Ab detects endogenous levels of SQSTM1/p62.
Immunogen:	A synthesized peptide derived from human SQSTM1/p62 around the phosphorylation site of Thr269/Ser272.
Uniprot:	Q13501
Subcellular Location:	Cytoplasm. Late endosome. Nucleus. Sarcomere (By similarity). In cardiac muscles localizes to the sarcomeric band (By similarity). Localizes to late endosomes. May also localize to the nucleus. Accumulates in neurofibrillary tangles and in Lewy bodies of neurons from individuals with Alzheimer and Parkinson disease respectively. Enriched in Rosenthal fibers of pilocytic astrocytoma. In liver cells, accumulates in Mallory bodies associated with alcoholic hepatitis, Wilson disease, indian childhood cirrhosis and in hyaline bodies associated with hepatocellular carcinoma.
Tissue Specificity:	Ubiquitously expressed.
Similarity:	The UBA domain binds specifically 'Lys-63'-linked polyubiquitin chains of polyubiquitinated substrates. Mediates the interaction with TRIM55. Both the UBA and PB1 domains are necessary and sufficient for the localization into the ubiquitin-containing inclusion bodies.The PB1 domain mediates homooligomerization and interactions with FHOD3, MAP2K5, NBR1, PRKCI, PRKCZ and WDR81. Both the PB1 and UBA domains are necessary and sufficient for the localization into the ubiquitin-containing inclusion bodies.The ZZ-type zinc finger mediates the interaction with RIPK1.The LIR (LC3-interacting region) motif mediates the interaction with ATG8 family proteins.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of extracts of A549 cells, using Phospho-SQSTM1/p62 (Thr269/Ser272) Ab.



AF2411 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.