Phospho-TMEM173/STING (Ser366) Antibody

Cat.#: AF7416
Concn.: 1mg/ml
Size: 100ul, 200ul
Source: Rabbit
Mol.Wt.: 35-40kD
Clonality: Polyclonal

Application:
WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500,
ELISA(peptide) 1:20000-1:40000
*The optimal dilutions should be determined by the end user.

Reactivity:
Human, Mouse, Rat

Purification:
The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.

Specificity:
Phospho-TMEM173/STING (Ser366) Antibody detects endogenous levels of TMEM173/STING only when phosphorylated at Ser366.

Immunogen:
A synthesized peptide derived from human TMEM173/STING around the phosphorylation site of Ser366.

Uniprot:
Q86WV6

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 from UV treated RAW264.7 cells, using Phospho-STING (Ser366) Antibody. The lane on the left was treated with blocking peptide.

Western blot analysis of extracts from MCF7, using Phospho-STING (Ser366) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.
AF7416 at 1/100 staining human lung cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.

AF7416 at 1/100 staining rat brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.

AF7416 at 1/100 staining mouse spleen tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.

AF7416 staining HepG2 cells (4h of LPS treatment) by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF7416 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.

**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.