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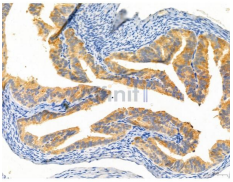
DDIT3/CHOP Ab

References(32) Images(51)

Cat.#: DF6025	Concn.: ~1mg/ml	Mol.Wt.: 19~30kD
Size:	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500 *The optimal dilutions should be determined by the end user.
Reactivity:	Human,Mouse,Rat
Storage:	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.
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Immunogen:	A synthesized peptide derived from human DDIT3, corresponding to a region within N-terminal amino acids.
Uniprot:	P35638
Description:	CHOP was identified as a C/EBP-homologous protein that inhibits C/EBP and LAP in a dominant-negative manner . CHOP expression is induced by certain cellular stresses including starvation and the induced CHOP suppresses cell cycle progression from G1 to S phase . Later it was shown that, during ER stress, the level of CHOP expression is elevated and CHOP functions to mediate programmed cell death . Studies also found that CHOP mediates the activation of GADD34 and Ero1-L? expression during ER stress. GADD34 in turn dephosphorylates phospho-Ser51 of eIF2? thereby stimulating protein synthesis. Ero1-L? promotes oxidative stress inside the endoplasmic reticulum (ER) .



DF6025 at 1/100 staining Rat ovary 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 primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.

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.