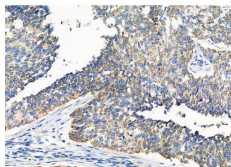


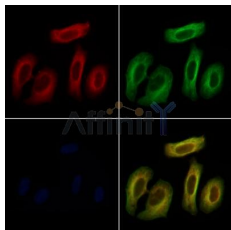
## TNF beta Ab

[References\(1\)](#) [Images\(6\)](#)

Cat.#: DF6453	Concn.: ~1mg/ml	Mol.Wt.: 22kDa
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 TNF beta, corresponding to a region within the internal amino acids.	
Uniprot:	P01374	
Description:	Lymphotoxin- $\alpha$ (LT- $\alpha$ ), also known as TNF- $\beta$ , is a member of the TNF superfamily of proteins . NK cells, T cells, B cells, and lymphoid tissue-inducer cells express LT- $\alpha$ . LT- $\alpha$ can be secreted as a soluble homotrimer or form membrane bound heterotrimers with lymphotoxin- $\beta$ (LT $\beta$ 1 $\beta$ 2 or LT $\beta$ 2 $\beta$ 1) which can be cleaved from the cell surface by matrix metalloproteases (1,2). Soluble LT- $\alpha$ binds to and signals through TNFR1/TNFR2, activating the canonical NF- $\kappa$ B pathway . In contrast, LT $\beta$ 1 $\beta$ 2 heterodimers bind to the LT $\beta$ R receptor and activate the noncanonical NF- $\kappa$ B pathway . As a result, LT- $\alpha$ and TNF- $\alpha$ have overlapping functions. Soluble LT- $\alpha$ and LT $\beta$ 1 $\beta$ 2 play key roles in lymphangiogenesis . The LT $\beta$ 1 $\beta$ 2/LT $\beta$ R axis is essential for the development of lymphoid tissue (1,3).	



DF6453 at 1/100 staining Human ovarian cancer 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.



DF6453 staining HeLa cells 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(DF6453 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 Ab.

The nuclear counter stain is DAPI(blue).

**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.

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