

U-Blot[®] Pan-Carboxyethyl-Cysteine Rabbit pAb (WT9028)

User Manual

General Information

Product name	U-Blot [®] Pan-Carboxyethyl-Cysteine Rabbit pAb
Product No.	WT9028
Clonality	Polyclonal
Alternative name	C _{Ce}

Key Features

Target	Carboxyethyl-Cysteine
Reactivity	Species Independent
Applications	WB, IHC-P, ICC/IF, FC
MW(Calculated)	Multiple
MW(Observed)	Multiple
Host Species	Rabbit
Isotype	IgG
Conjugate	Unconjugated
Modification	Cysteine Carboxyethylation
Modification Site	Cys (C)
Purification	Protein A
Immunogen	Polypeptide

Storage Information

Storage	Store at -20°C. Avoid repeated freeze-thaw cycles
Stability	Stable for 12 months from date of receipt / reconstitution
Formulation	0.01% NaN ₃ , PBS, 60% Glycerol, BSA

Product Usage Information

Applications	Dilution	Recommended Species
WB	1:1000	All
IHC-P	1:100-1:200	Human, Mouse
ICC/IF	1:100-1:200	Human
FC	1:100-1:200	Human

Target Information

Background

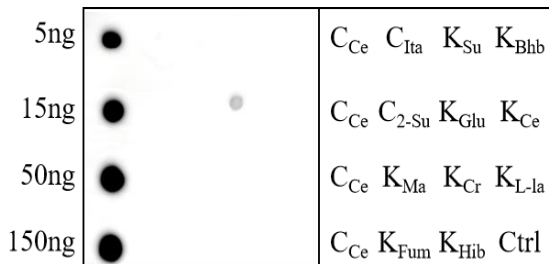
Carboxyethyl-Cysteine (CEC) is a novel post-translational modification occurring on cysteine residues of proteins. This modification is formed by covalently attaching a carboxyethyl group to the thiol group (-SH) of cysteine, generating a stable thioether linkage. CEC modification is widely distributed on histones and various functional proteins, and has been reported to be involved in cellular oxidative stress, metabolic regulation, protein stability, and a variety of physiological and pathological processes, making it an important target in protein modification and disease research.

Cellular Localization

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Images

Dot Blot



Note: C_{Ce} peptides were diluted to 5 ng, 15 ng, 50 ng, and 150 ng. All other peptides were diluted to 150 ng.

Blocking buffer: 5% NFDM/TBST

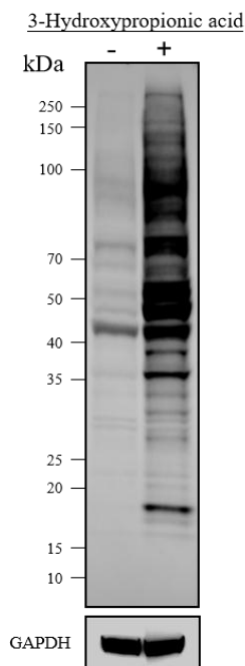
Primary antibody dilution: 1:2000

Primary antibody incubation condition: 2 hour at room temperature

Secondary antibody: Goat Anti-Rabbit IgG H&L (HRP)

Exposure time: 60 seconds

WB



Samples: (-): HeLa, (+): HeLa + 3-Hydroxypropionic acid (5 mM, 24 hr)

Protein loading amount: 30 µg

Gel concentration: 8-16%

Blocking buffer: 5% NFDM/TBST

Primary antibody dilution: 1:1000

Primary antibody incubation: 2 hour at room temperature

Secondary antibody: Goat Anti-Rabbit IgG H&L (HRP)

Exposure time: 30 seconds

Predicted band size: Multiple

Observed band size: Multiple

For Research Use Only. Not for Use in Diagnostic Procedures.

