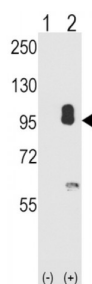
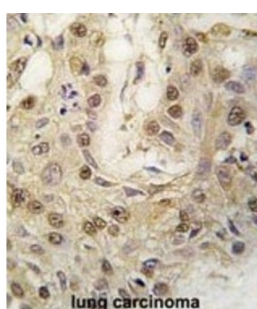
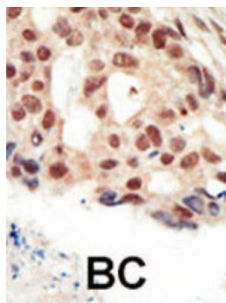


Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

cGKII Antibody

Catalogue No.: abx033809



cGKII is thought to play a key role in a diverse set of physiological pathway. cGKII may mediate intestinal secretion of water and electrolytes induced by the *E. coli* toxin STa and the intestinal peptide guanylin. Edentification of the pathway that mediates intestinal fluid secretion by *E. coli* STa has potential medical implications because STa causes traveler's diarrhea and about 50% of infant mortality in developing countries. Transfection experiments in human cells disclose that cGKII phosphorylates SOX9 and attenuates SOX9 function by inhibiting its nuclear entry. Impaired differentiation of cultured KMI chondrocytes can be restored by silencing Sox9 by RNA interference. cGKII is postulated to be a molecular switch that couples the cessation of proliferation and the start of hypertrophic chondrocyte differentiation through attenuating SOX9 function.

Target:	cGKII
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal

Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

Tested Applications: WB, IHC

Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Human cGKII.

Purification: Purified Rabbit Polyclonal Antibody.

Isotype: IgG

Conjugation: Unconjugated

Specificity: This cGKII antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 714-744 amino acids from the C-terminal region of human cGKII.

Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Swiss Prot: [Q13237](#)

NCBI Accession: NP_006250.1

Buffer: PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Note: This product is for research use only.