Use Lévy's lemma (see section 5.1) together with Borel's lemma (section 2.1) to prove Gaussian measure concentration for Lipschitz functions:

Let  $Z = (Z_1, \ldots, Z_k)$  be a standard Gaussian random vector. Let  $f : \mathbb{R}^k \to \mathbb{R}$  be Lipschitz with Lipschitz constant L, and let M be such that  $\mathbb{P}[f(Z) \ge M] \ge \frac{1}{2}$  and  $\mathbb{P}[f(Z) \le M] \ge \frac{1}{2}$ . Then there are constants c, C such that

$$\mathbb{P}[|f(Z) - M| \ge Lt] \le Ce^{-ct^2}.$$